Acrel

【Stock Code：300286.SZ】

CERTIFICATE

ACREL CO.,LTD

www.acrel-electric.com

Address: No.253 Yu Lv Road Jiading District,Shanghai,China Postcode: 201801
TEL:0086-21-69158338 0086-21-69156052 0086-21-59106392 0086-21-69156971
Web-site: www.acrel-electric.com Email: acrel008@vip.163.com

2022.12

COMPANY PROFILE

Acrel Co., Ltd. [Stock Code : 300286. SZ] is a high-tech enterprise concentrating on research, production, sales and services. It mainly provides systemic solutions of energy efficiency management and electrical safety for users. 'Acrel' is equipped with the complete production lines from cloud platform software to sensors. Until now, it has more than 8000 sets systemic solutions used in China to help users to realize energy visual management ,supply energy data services and improve electrical efficiency and safety. 'Acrel' has maintained steady growth since its listing in 2012. The company will adhere to the concept of 'innovation,high-efficiency,unity and honesty' and it provides more high-quality solutions,products and service for power system users and micro-grid.

Acrel Energy Efficiency Management Systems include various cloud platforms for substation operation and maintenance, electrical safety, environmental equipment monitoring and prepaid management, and many systems and related products such as intelligent transformer and distribution monitoring system, power quality management system, building energy consumption management systems, industrial energy management and control platform, leakage fire monitoring system, fire power monitoring system, fire resistant door monitoring system, emergency lighting and evacuation instructions system, charge management system for charging piles, dynamic monitoring system for data center , intelligent lighting control system,IT distribution insulation monitoring system and so on.

Jiangsu Acrel Electrical Manufacturing Co.,LTD., a production base located in Jiangyin City, Wuxi, is a pilot enterprise of Jiangsu Province. It has a fully-functional product test center and it can carry out various tests such as environmental test,EMC test, safety and reliability tests and so on. The production process relies on advanced information management system and strict implementation of ISO 9001 management standards, which provides guarantee for industrialization and large-scale implementation of products. The annual production capacity is 10350 pieces,among them,there are 2 million meters,1.5 million power transformers and 10,000 energy-saving cabinet sets.

In order to quickly respond to customers' demands, the company set up branches and offices in major cities in China and provides users with high-quality product experience.

By the end of 2018, 'Acrel' had 5 trademarks, 18 invention patents, 70 utility model patents, 93 appearance patents and 147 computer software copyrights, and participated in formulation of national multiple industry standards.

Through years of accumulation and development, the company has won wide praise in product quality and service from customers at home and abroad.

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-MID of ADL200/ADL400
-CE of DDS1352/DDSD1352/ADL10-E/ADL100-ET/ADL100-EY
-CE of DTSD1352/ADL3000-E/ADL300-EY
-CE of AEM96
-CE of ADF400L
-IEC of ADL3000-E/ADL3000
-EAC of ADL10-E/ADL100-ET/ADL100-EY/ADL200/ADL400
-RoHS of ADL series
-RoHS of DDS1352/DDSD1352/ADL10-E/ADL100-ET/ADL100-EY
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-CSA(UL+ANSI) of AGF-AE-D/200
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-FCC of AWT100-FGHW/AWT100-WFHW/AWT100-LRHW

2.8 Tips 60

Part 1 Enterprise Qualification

ISO14001 Environmental Management System Certificate

Environmental Management System Certificate

(Copy)
This is to certify that

ACREL CO., LTD.

Registration Address: NO.253, YULV ROAD, JIADING DISTRICT, SHANGHAI, CHINA

Has implemented and maintains an Environmental Management System in compliance with

GB/T 24001-2016 idt ISO 14001:2015

The Environmental Management System is applicable to:

DESIGN, DEVELOPMENT AND AFTER-SALES SERVICING OF ELECTRICAL METERS, MEASUREMENT AND CONTROL DEVICES; DESIGN AND DEVELOPMENT OF APPLICATION SOFTWARE; INTEGRATION OF THE POWER METERING MANAGEMENT SYSTEM AND POWER DISTRIBUTION AND TRANSFORMATION SUPERVISION SYSTEM

Involved site (s) and relevant activities

Address	Zip Code	Main Activities
NO.253, YULV ROAD, JIADING DISTRICT, SHANGHAI, CHINA	201801	DESIGN, DEVELOPMENT AND AFTER-SALES SERVICING OF ELECTRICAL METERS, MEASUREMENT AND CONTROL DEVICES; DESIGN AND DEVELOPMENT OF APPLICATION SOFTWARE; INTEGRATION OF THE POWER METERING MANAGEMENT SYSTEM AND POWER DISTRIBUTION AND TRANSFORMATION SUPERVISION SYSTEM

Zhao Guanfang
General Manager
CEPREI CERTIFICATION BODY

ISO27001 Information Security Management System Certificate

Information Security Management System Certificate

(Original)
This is to certify that

ACREL CO., LTD.

Registration Address: NO.253, YULV ROAD, JIADING DISTRICT, SHANGHAI, CHINA

Has implemented and maintains an Information Security Management System in compliance with

GB/T 22080-2016 idt ISO/IEC 27001:2013

The Information Security Management System is applicable to:

INFORMATION SECURITY MANAGEMENT OF DESIGN AND DEVELOPMENT OF ELECTRICAL METERS, MEASUREMENT AND CONTROL DEVICES; DESIGN AND DEVELOPMENT OF APPLICATION SOFTWARE; INTEGRATION AND OPERATION & MAINTENANCE SERVICING OF THE POWER METERING MANAGEMENT SYSTEM AND POWER DISTRIBUTION AND TRANSFORMATION SUPERVISION SYSTEM

This is in accordance with the Statement of Applicability, A/1

Involved site (s) and relevant activities

Address	Zip Code	Main Activities
BUILDING D, F AND G, 2F TO 3F, BUILDING E, NO.285, BUILDING A, NO.253 YULV ROAD, JIADING DISTRICT, SHANGHAI, CHINA	201801	INFORMATION SECURITY MANAGEMENT OF DESIGN AND DEVELOPMENT OF ELECTRICAL METERS, MEASUREMENT AND CONTROL DEVICES; DESIGN AND DEVELOPMENT OF APPLICATION SOFTWARE; INTEGRATION AND OPERATION & MAINTENANCE SERVICING OF THE POWER METERING MANAGEMENT SYSTEM AND POWER DISTRIBUTION AND TRANSFORMATION SUPERVISION SYSTEM

Zhao Guanfang
General Manager
CEPREI CERTIFICATION BODY

ISO9001 Quality Management System Certificate

Quality Management System Certificate

(Original)
This is to certify that

ACREL CO., LTD.

Registration Address: NO.253, YULV ROAD, JIADING DISTRICT, SHANGHAI, CHINA

Has implemented and maintains a Quality Management System in compliance with

GB/T 19001-2016 idt ISO 9001:2015

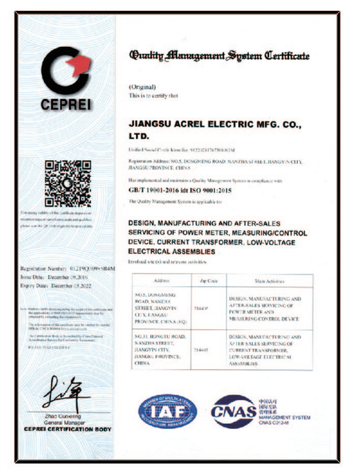
The Quality Management System is applicable to:

DESIGN, DEVELOPMENT AND AFTER-SALES SERVICING OF ELECTRICAL METERS, MEASUREMENT AND CONTROL DEVICES; DESIGN AND DEVELOPMENT OF APPLICATION SOFTWARE; INTEGRATION OF THE POWER METERING MANAGEMENT SYSTEM AND POWER DISTRIBUTION AND TRANSFORMATION SUPERVISION SYSTEM

Involved site (s) and relevant activities

Address	Zip Code	Main Activities
NO.253, YULV ROAD, JIADING DISTRICT, SHANGHAI, CHINA	201801	DESIGN, DEVELOPMENT AND AFTER-SALES SERVICING OF ELECTRICAL METERS, MEASUREMENT AND CONTROL DEVICES; DESIGN AND DEVELOPMENT OF APPLICATION SOFTWARE; INTEGRATION OF THE POWER METERING MANAGEMENT SYSTEM AND POWER DISTRIBUTION AND TRANSFORMATION SUPERVISION SYSTEM

Zhao Guanfang
General Manager
CEPREI CERTIFICATION BODY



Quality Management System Certificate

(Original)
This is to certify that

JIANGSU ACREL ELECTRIC MFG. CO., LTD.

Registration Address: NO.2, DONGXINING ROAD, NANZHA STREET, JIANGYIN CITY, JIANGSU PROVINCE, CHINA

Has implemented and maintains a Quality Management System in compliance with

GB/T 19001-2016 idt ISO 9001:2015

The Quality Management System is applicable to:

DESIGN, MANUFACTURING AND AFTER-SALES SERVICING OF POWER METER, MEASURING/CONTROL DEVICE, CURRENT TRANSFORMER, LOW-VOLTAGE ELECTRICAL ASSEMBLIES

Involved site (s) and relevant activities

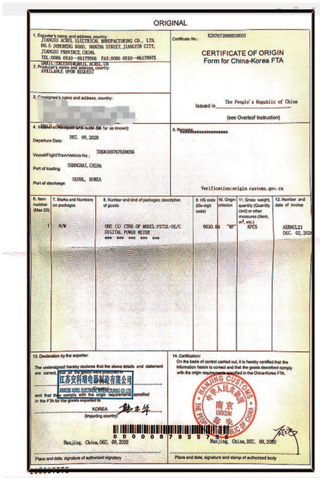
Address	Zip Code	Main Activities
NO.2, DONGXINING ROAD, NANZHA STREET, JIANGYIN CITY, JIANGSU PROVINCE, CHINA (HQ)	214437	DESIGN, MANUFACTURING AND AFTER-SALES SERVICING OF POWER METER AND MEASURING/CONTROL DEVICE
NO.21, HONGYU ROAD, NANZHA STREET, JIANGYIN CITY, JIANGSU PROVINCE, CHINA	214437	DESIGN, MANUFACTURING AND AFTER-SALES SERVICING OF CURRENT TRANSFORMER, LOW-VOLTAGE ELECTRICAL ASSEMBLIES

Zhao Guanfang
General Manager
CEPREI CERTIFICATION BODY

Part 1 Enterprise Qualification

C/O (Certificate of Origin)

Form E


ORIGINAL

CERTIFICATE OF ORIGIN
Form for China-Korea FTA

Issued in The People's Republic of China
(see Overleaf Instructions)

Verification:origin.customs.gov.cn

Nanjing, China, DEC. 09, 2020

Place and date, signature of authorised signatory

Place and date, signature and stamp of authorised body

Form A

ORIGINAL

CERTIFICATE OF ORIGIN
Form for China-Chile FTA

Issued in THE PEOPLE'S REPUBLIC OF CHINA
(See Instruction overleaf)

For Official Use Only

Verification:origin.customs.gov.cn

Nanjing, China, DEC. 11, 2019

Place and date, signature of authorised signatory

Place and date, signature and stamp of authorised body

192527723

Shipment conformity certificate for imported products

Shipment Conformity certificate for imported products

شهادة حمايلة إسالية للمنتجات المستوردة
Shipment Conformity certificate for imported products

Part 2 Product Qualification

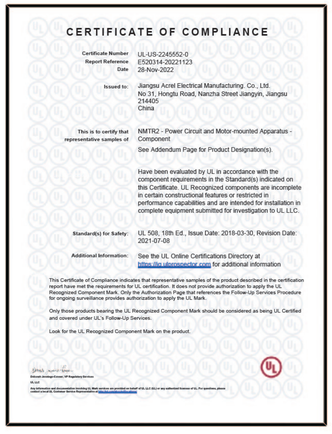
2.1 Power Sensor

AKH-0.66 Series Current Transformer

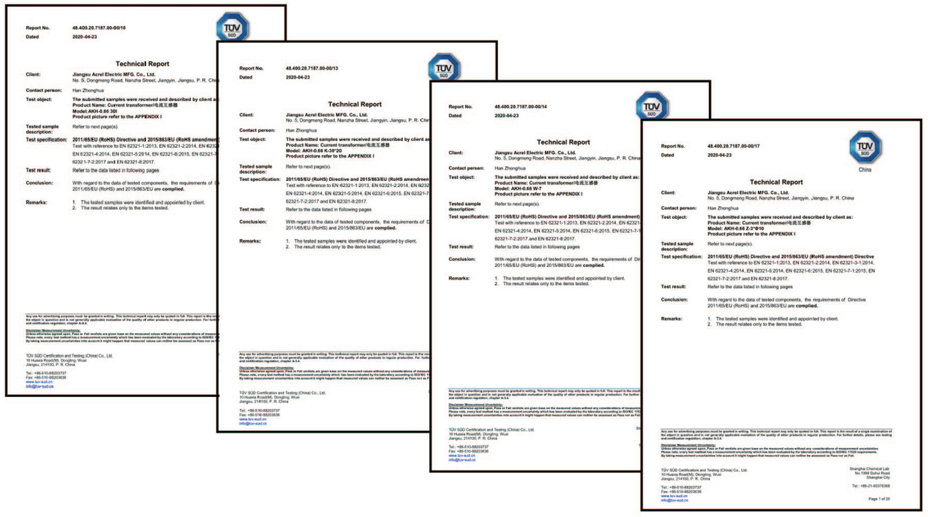
CE of AKH-0.66 series

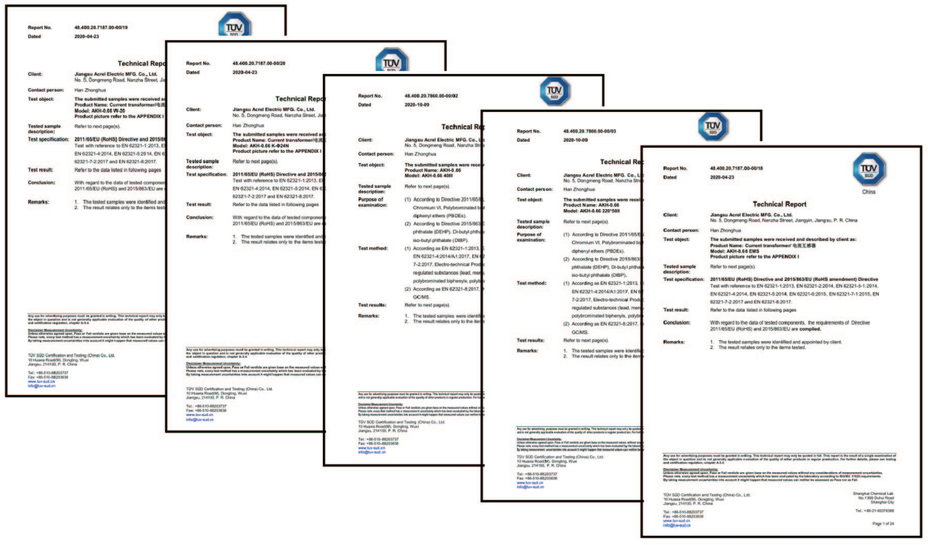
REACH of AKH-0.66 series

UL of AKH-0.66/K K-φ16/AKH-0.66/K K-φ24



RoHS of AKH-0.66 series





2.1 Power Sensor

Hall Sensor

IEC of AHKC/AHBC/AHLC series

TÜV AUSTRIA CERT GMBH
Certification Body

CERTIFICATE OF CONFORMITY

Certificate - No.: TA 385/19/031

Product: Hall Current Sensor
Applicant: Acrel Co., Ltd.
No.253, Yuhi Road, Jiading District, Shanghai, China
Manufacturer: Jiangsu Acrel Electrical Manufacturing Co., Ltd.
No.5, Dongmeng Road, Nanzhai Street, Jiangyin City, Jiangsu Province, China

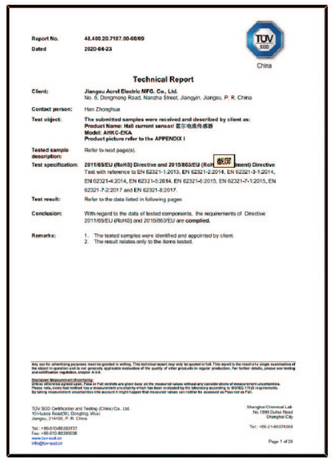
Type / Models / Trade mark: AHKC, AHBC, AHLC
Description / Technical Specification: Refer to the test reports
Standard(s) / Product / Certification Basis: IEC 61010-1:2010, IEC 61326-1:2012
Test Report: 5A5135CM0332E1, 182608C00074031
Comments: N/A

According to the above stated test sample(s) the specified product complies with the application requirements of the mentioned standard(s). The applicant may use the test report of this Certificate of Conformity in connection with his declaration of conformity referring to the mentioned EU Directive(s) and Article.
This Certificate of Conformity has been granted to the applicant based on the results of testing performed by the application has, failure or an accident, take care of the consumer, owner of the test report by TÜV AUSTRIA CERT GMBH. The applicant is responsible for the production of the product in accordance with the tested sample. Any changes by TÜV AUSTRIA. Regardless of the above-said certification basis in any change of the design, materials, components or processing, may require the conditions of all or some of the certification tests in order to the mentioned and therefore the associated certificate to renew / extend. Furthermore the General Conditions for Certification of Conformity on a revised or amended or filed used concerning a specified product are valid.

2020-06-17
Date of issue
Head (Ms./Mr.) Certification representative

TÜV AUSTRIA CERT GMBH
Deutsch-Wagram-Straße 17
2232 Deutsch-Wagram
Austria
www.tuv.at
E-Mail: certification@tuv.at
CPN FACC-CC7450-025 Ver.00

RoHS of AHKC-EKA



Report No. 48.400.20.7187.00-00/09
Dated 2020-04-23

Technical Report

Client: Jiangsu Acrel Electric MFG. Co., Ltd.
No. 5, Dongmeng Road, Nanzha Street, Jiangyin, Jiangsu, P. R. China
Contact person: Han Zhonghua
Test object: The submitted samples were received and described by client as:
Product Name: Hall current sensor/ 霍尔电流传感器
Model: AHKC-EKA
Product picture refer to the APPENDIX I
Tested sample description: Refer to next page(s).
Test specification: 2011/65/EU (RoHS) Directive and 2015/863/EU (RoHS amendment) Directive
Test with reference to EN 62321-1:2013, EN 62321-2:2014, EN 62321-3-1:2014, EN 62321-4:2014, EN 62321-5:2014, EN 62321-6:2015, EN 62321-7-1:2015, EN 62321-7-2:2017 and EN 62321-8:2017.
Test result: Refer to the data listed in following pages
Conclusion: With regard to the data of tested components, the requirements of Directive 2011/65/EU (RoHS) and 2015/863/EU are complied.
Remarks: 1. The tested samples were identified and appointed by client.
2. The result relates only to the items tested.

Shanghai Chemical Lab
No. 1588 Guiyu Road
Shanghai City
Tel: +86-21-64070564
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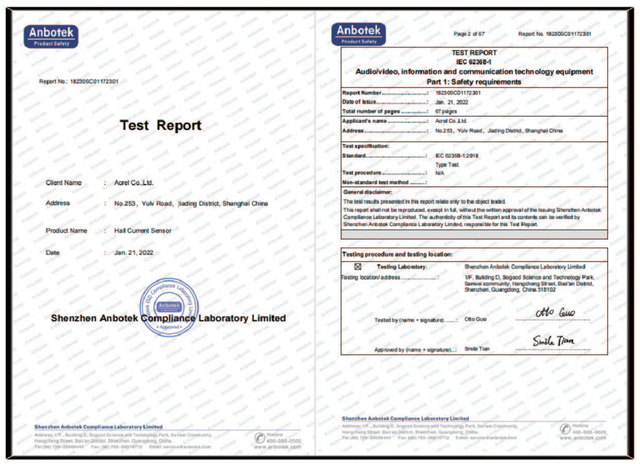
IEC of AHKC-EKB



Anbotek Product Safety

Report No.: 182305C01172301

Test Report

Client Name : Acrel Co.,Ltd.
Address : No.253, Yuhi Road, Jiading District, Shanghai China
Product Name : Hall Current Sensor
Date : Jan. 21, 2022

Shenzhen Anbotek Compliance Laboratory Limited

Page 2 of 67 Report No. 182305C01172301

TEST REPORT
IEC 62368-1
Audio/video, information and communication technology equipment
Part 1: Safety requirements

Report Number: 182305C01172301
Date of issue: Jan. 21, 2022
Total number of pages: 67 pages
Applicant's name: Acrel Co.,Ltd.
Address: No.253, Yuhi Road, Jiading District, Shanghai China
Test specification:
Standard: IEC 62368-1:2018
Type Test
Test procedure: N/A
Non-standard test method:
General disclaimer:
The test results presented in this report relate only to the object tested.
This report shall not be reproduced, except in full, without the written approval of the issuing Shenzhen Anbotek Compliance Laboratory Limited. The authenticity of this Test Report and its contents can be verified by Shenzhen Anbotek Compliance Laboratory Limited, responsible for this Test Report.

Testing procedure and testing location:
☒ Testing Laboratory: Shenzhen Anbotek Compliance Laboratory Limited
Testing location/ address: 1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China 518102
Tested by (name + signature): Otto Guo
Approved by (name + signature): Smile Tian

Shenzhen Anbotek Compliance Laboratory Limited

BA Series Electrical Transducer

CE of BA series

UDEM

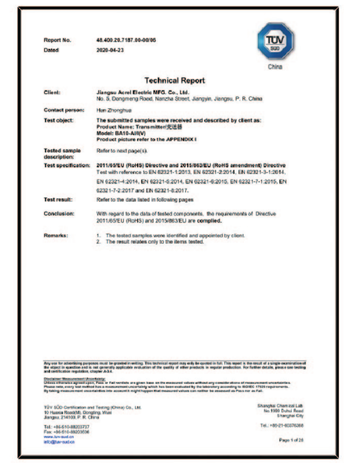
CERTIFICATE
ATTESTATION CERTIFICATE
OF ELECTROMAGNETIC
COMPATIBILITY AND LOW VOLTAGE DIRECTIVES
Technical file of the company mentioned below has been observed and audit has been successfully completed.
2014/30/EU Electrical Compatibility Directive and
2014/35/EU Low Voltage Directives have been taken as references for these processes

Company Name : Acrel Co., Ltd.
Company Address : No.253, Yuhi Road, Jiading District, Shanghai, China
Manufacturer Name : Jiangsu Acrel Electro MFG. Co., Ltd.
Manufacturer Address : No.5, Dongmeng Road, Nanzha Street, Jiangyin City, Jiangsu Province, China
Related Directives and Annex : 2014/35/EU Low Voltage Directive
2014/30/EU Electromagnetic Compatibility Directive
Related Standards : EN 60688:2013, EN 61010:2010+A1:2019, EN 61326-1:2013
Product Name : Electrical Measuring Transducers
Report No and Date : X.020200305015/UDEMC
Product Brand/Model/Type : Acrel: BA05-AI(V), BA10-AI(V) , BA20-AI(V), BA50-AI(V), BA05-AI(V)-T, BA10-AI(V)-T, BA20-AI(V)-T, BA50-AI(V)-T, BA05L-AI(V), BM-DI(S), BM-AI(S), BM-AI(V)S, BM-TR(S), BM-TR(I), BM-R(S), BM-VR(S), BM-DI(S), BM-CV(S), BM-CA, BM-DI(V), BM-CV(I), BM-DV(V), BM-DV(I), BM-CV(V), BM-DV(S), BM-CV(S), BD-VC, BD-IC, BD-PC, BD-PF, BD-PQ, BD-SP, BD-VQ, BD-IQ, BD-VF, BD-IF, BD-SQ, BD-HQ, BD-3P(Q), BD-4P(Q), BD-3E, BD-4E, BD-4EA, AKH-0.66 K/ 10, AKH-0.66 K/ 15, AKH-0.66 K/ 24, AKH-0.66 K/ 35

Certificate Number : M.2020.206.C4962
Initial Assessment Date : 10.03.2020
Registration Date : 11.03.2020
Reissue Date/No : - -
Expiry Date : 10.03.2025
The validity of the certificate can be checked through www.udem.org/tr. The CE mark shown on the right side of this certificate may be affixed to the product only after the manufacturer has issued a declaration of conformity for all the relevant Directives. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. , to whom it must be returned upon request. The above mentioned product(s) conforms to the requirements of the relevant Directive(s) listed above. Any changes on the product(s) shall be reported to UDEM and UDEM must be informed in case of any changes on the product(s).
Address: Mustafa Kemal Mahallesi 2073 Sokak (Eski 53 Sokak) No:10 Çankaya – Ankara – TURKEY
Tel: +90 (312) 440 18 88 Fax: +90 (312) 219 83 78
E-mail: info@udem-ltd.com.tr www.udem.org.tr

UDEM International Certification
Auditing Training Centre Industry
and Trade Inc. Co.

RoHS of BA series



Report No. 48.400.20.7187.00-00/05
Dated 2020-04-23

Technical Report

Client: Jiangsu Acrel Electric MFG. Co., Ltd.
No. 5, Dongmeng Road, Nanzha Street, Jiangyin, Jiangsu, P. R. China
Contact person: Han Zhonghua
Test object: The submitted samples were received and described by client as:
Product Name: Transmitter/变送器
Model: BA10-AI(V)
Product picture refer to the APPENDIX I
Tested sample description: Refer to next page(s).
Test specification: 2011/65/EU (RoHS) Directive and 2015/863/EU (RoHS amendment) Directive
Test with reference to EN 62321-1:2013, EN 62321-2:2014, EN 62321-3-1:2014, EN 62321-4:2014, EN 62321-5:2014, EN 62321-6:2015, EN 62321-7-1:2015, EN 62321-7-2:2017 and EN 62321-8:2017.
Test result: Refer to the data listed in following pages
Conclusion: With regard to the data of tested components, the requirements of Directive 2011/65/EU (RoHS) and 2015/863/EU are complied.
Remarks: 1. The tested samples were identified and appointed by client.
2. The result relates only to the items tested.

Shanghai Chemical Lab
No. 1588 Guiyu Road
Shanghai City
Tel: +86-21-64070564
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2.1 Power Sensor

BD Series Electrical Transducer

CE of BD/BM series

CERTIFICATE

ATTESTATION CERTIFICATE
OF ELECTROMAGNETIC
COMPATIBILITY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been observed and audit has been completed successfully.
2014/30/EU Electromagnetic Compatibility Directive and
2014/35/EU Low Voltage Directives have been taken as references for these processes

Company Name : Acrel Co., Ltd.
Company Address : No.253, Yulv Road, Jiading District, Shanghai, China
Manufacturer Name : Jiangsu Acrel Electric MFG. Co., Ltd.
Manufacturer Address : No.5, Dongmeng Road, Nantha Street, Jiangyin City, Jiangsu Flowrisk, China
Related Directives and Annex : 2014/35/EU Low Voltage Directive
2014/30/EU Electromagnetic Compatibility Directive
Related Standards : EN 60668:2013, EN 61010:2010+A1:2019, EN 61326-1:2013
Product Name : Electrical Measuring Transducers
Report No and Date : X-D2020030501/UDEMC
Product Brand/Model/Type : Acrel: BA05-AI(V), BA10-AI(V) , BA20-AI(V), BA50-AI(V), BA05-AI(V)-T, BA10-AI(V)-T, BA20-AI(V)-T, BA50-AI(V)-T, BA50L-AI(V), BM-DI(S), BM-AI(I), BM-AV(S), BM-TR(S), BM-TR(I), BM-R(S), BM-VR(I), BM-DI(I), BM-DV(I), BM-DI(I), BM-DI(V), BM-DV(I), BM-DV(V), BM-DV(I), BM-DV(II), BM-DV(V), BM-DV(VI), BD-AI, BD-AV, BD-AI2, BD-AV2, BD-DI, BD-DV, BD-F, BD-PF, BD-3(I), BD-3V3, BD-4V3, BD-3P, BD-4P, BD-3Q, BD-4Q, BD-3P/Q3, BD-4P/Q4, BD-3E, BD-4E, BD-4EA, AKH-0.66 K-Ψ 10, AKH-0.66 K-Ψ 18, AKH-0.66 K-Ψ 24, AKH-0.66 K-Ψ 36
Certificate Number : M.2020.206.C4962
Initial Assessment Date : 10.03.2020
Registration Date : 11.03.2020
Reissue DateNo : - -
Expiry Date : 10.03.2025

UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co.

CE of BM series

CERTIFICATE

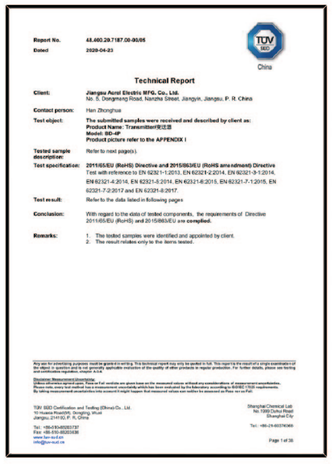
ATTESTATION CERTIFICATE
OF ELECTROMAGNETIC
COMPATIBILITY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been observed and audit has been completed successfully.
2014/30/EU Electromagnetic Compatibility Directive and
2014/35/EU Low Voltage Directives have been taken as references for these processes

Company Name : Acrel Co., Ltd.
Company Address : No.253, Yulv Road, Jiading District, Shanghai, China
Manufacturer Name : Jiangsu Acrel Electrical Manufacturing Co., Ltd.
Manufacturer Address : No.31, Hongtu Road, Nantha Street, Jiangyin City Jiangsu Province, China
Related Directives and Annex : 2014/35/EU Low Voltage Directive
2014/30/EU Electromagnetic Compatibility Directive
Related Standards : EN 60668:2013, EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021
Product Name : Sensor
Report No and Date : 79251SC20005401178251EC20005401
Product Brand/Model/Type : See Annex Page
Certificate Number : M.2022.206.C72901
Initial Assessment Date : 19.04.2022
Registration Date : 20.04.2022
Reissue DateNo : - -
Expiry Date : 19.04.2027

UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co.

RoHS of BD/BM series



Report No. 48.460.20.7187.00-00/06
Dated 2020-04-23

Technical Report

Client: Jiangsu Acrel Electric MFG. Co., Ltd.
No. 5, Dongmeng Road, Nantha Street, Jiangyin, Jiangsu, P. R. China

Contact person: Han Zhonghua

Test object: The submitted samples were received and described by client as:
Product Name: Transmitter/变送器
Model: BD-4P
Product picture refer to the APPENDIX I

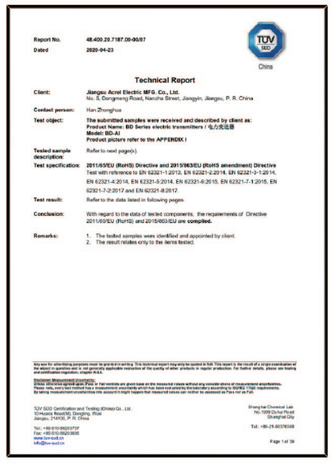
Tested sample description: Refer to next page(s).

Test specification: 2011/65/EU (RoHS) Directive and 2015/863/EU (RoHS amendment) Directive
Test with reference to EN 62321-1:2013, EN 62321-2:2014, EN 62321-3-1:2014,
EN 62321-4:2014, EN 62321-5:2014, EN 62321-6:2015, EN 62321-7-1:2015, EN 62321-7-2:2017 and EN 62321-8:2017.

Test result: Refer to the data listed in following pages

Conclusion: With regard to the data of tested components, the requirements of Directive 2011/65/EU (RoHS) and 2015/863/EU are complied.

Remarks:
1. The tested samples were identified and appointed by client.
2. The result relates only to the items tested.



Report No. 48.460.20.7187.00-00/07
Dated 2020-04-23

Technical Report

Client: Jiangsu Acrel Electric MFG. Co., Ltd.
No. 5, Dongmeng Road, Nantha Street, Jiangyin, Jiangsu, P. R. China

Contact person: Han Zhonghua

Test object: The submitted samples were received and described by client as:
Product Name: BD Series electric transmitters / 电力变送器
Model: BD-AI
Product picture refer to the APPENDIX I

Tested sample description: Refer to next page(s).

Test specification: 2011/65/EU (RoHS) Directive and 2015/863/EU (RoHS amendment) Directive
Test with reference to EN 62321-1:2013, EN 62321-2:2014, EN 62321-3-1:2014,
EN 62321-4:2014, EN 62321-5:2014, EN 62321-6:2015, EN 62321-7-1:2015, EN 62321-7-2:2017 and EN 62321-8:2017.

Test result: Refer to the data listed in following pages

Conclusion: With regard to the data of tested components, the requirements of Directive 2011/65/EU (RoHS) and 2015/863/EU are complied.

Remarks:
1. The tested samples were identified and appointed by client.
2. The result relates only to the items tested.

CERTIFICATE

ANNEX of Certificate No: M.2022.206.C72901

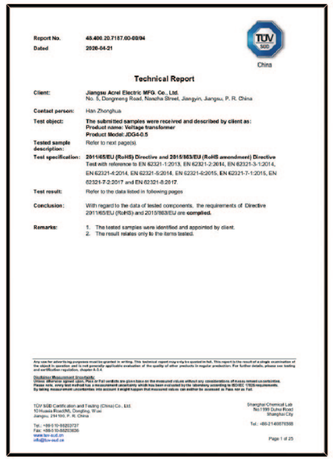
Product Brand/Model/Type : Acrel: BM200-DVI-811, BM200-DVI-811, BM200-DVI-C22, BM200-DVI-C22, BM200-DVI-C22, BM200-DVI-C22, BM200-TRI-C22, BM200-TRI-C22, BM200-TRI-C22, BM200-VR1- 811, BM200-VR1- 811, BM200-VR1- 811, BM200-VR1-C12, BM200-VR1-C12, BM200-VR1-C22, BM200-VR1-C22, BM200-VR1-C22, BM150-DI-811, BM150-DI-811, BM150-DI-811, BM150-DI-811, BM150-DI-C12, BM150-DI-C12, BM150-DI-C12, BM150-DI-C12, BM150-DI-C22, BM150-DI-C22, BM150-DI-C22, BM150-DI-C22, BM150-DVI-811, BM150-DVI-811, BM150-DVI-811, BM150-DVI-811, BM150-DVI-C12, BM150-DVI-C12, BM150-DVI-C12, BM150-DVI-C12, BM150-DVI-C22, BM150-DVI-C22, BM150-DVI-C22, BM150-DVI-C22, BM150-TRI-811, BM150-TRI-811, BM150-TRI-811, BM150-TRI-811, BM150-TRI-C12, BM150-TRI-C12, BM150-TRI-C12, BM150-TRI-C12, BM150-TRI-C22, BM150-TRI-C22, BM150-TRI-C22, BM150-TRI-C22, BM150-VR1-C12, BM150-VR1-C12, BM150-VR1-C22, BM150-VR1-C22, BM150-VR1-C22, BM150-VR1-C22, BM150-DVI-C11, BM150-DVI-C11, BM150-DVI-C12, BM150-DVI-C12, BD150-AI-811, BD150-AI-811, BD150-AI-811, BD150-AI-811, BD150-AI-C12, BD150-AI-C12, BD150-AI-C12, BD150-AI-C12, BD150-AI-C22, BD150-AI-C22, BD150-AI-C22, BD150-AI-C22, BD150-AV-811, BD150-AV-811, BD150-AV-811, BD150-AV-811, BD150-AV-C12, BD150-AV-C12, BD150-AV-C12, BD150-AV-C12, BD150-AV-C22, BD150-AV-C22, BD150-AV-C22, BD150-AV-C22, BD150-DI-C12, BD150-DI-C12, BD150-DI-C12, BD150-DI-C12, BD150-DI-C22, BD150-DI-C22, BD150-DI-C22, BD150-DI-C22, BD150-DVI-C12, BD150-DVI-C12, BD150-DVI-C12, BD150-DVI-C12, BD150-DVI-C22, BD150-DVI-C22, BD150-DVI-C22, BD150-DVI-C22, BD150-AVI-811, BD150-AVI-811, BD150-AVI-811, BD150-AVI-811, BD150-AVI-C12, BD150-AVI-C12, BD150-AVI-C12, BD150-AVI-C12, BD150-AVI-C22, BD150-AVI-C22, BD150-AVI-C22, BD150-AVI-C22, BD150-DVI-C12, BD150-DVI-C12, BD150-DVI-C12, BD150-DVI-C12, BD150-DVI-C22, BD150-DVI-C22, BD150-DVI-C22, BD150-DVI-C22, BD150-PV-C12, BD150- PV-C12, BD150- PV-C12, BD150- PV-C12, BD150- PV-C22, BD150- PV-C22, BD150- PV-C22, BD150- PV-C22, BD150-PFV-C12, BD150- PFV-C12, BD150- PFV-C12, BD150- PFV-C12, JSA4-0.5

UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co.

2.1 Power Sensor

Voltage Transformer

RoHS of JDG4-0.5



Report No. 48.690.20.7157.00-00/94
Dated 2020-04-21

Technical Report

Client: Jiangsu Acrel Electric MFG. Co., Ltd.
No. 5, Dongmeng Road, Nanzhai Street, Jiangyin, Jiangsu, P. R. China

Contact person: Han Zhonghua

Test object: The submitted samples were received and described by client as:
Product name: Voltage transformer
Product Model: JDG4-0.5

Tested sample description: Refer to next page(s).

Test specification: 2011/65/EU (RoHS) Directive and 2015/863/EU (RoHS amendment) Directive
Test with reference to EN 62321-1:2013, EN 62321-2:2014, EN 62321-3-1:2014, EN 62321-4:2014, EN 62321-5:2014, EN 62321-6:2015, EN 62321-7-1:2015, EN 62321-7-2:2017 and EN 62321-8:2017.

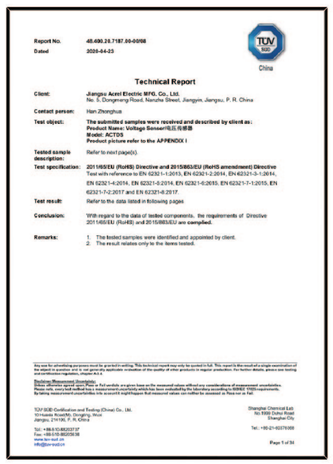
Test result: Refer to the data listed in following pages

Conclusion: With regard to the data of tested components, the requirements of Directive 2011/65/EU (RoHS) and 2015/863/EU are complied.

Remarks: 1. The tested samples were identified and appointed by client.
2. The result relates only to the items tested.

Page 1 of 25

RoHS of ACTDS series



Report No. 48.690.20.7157.00-00/98
Dated 2020-04-23

Technical Report

Client: Jiangsu Acrel Electric MFG. Co., Ltd.
No. 5, Dongmeng Road, Nanzhai Street, Jiangyin, Jiangsu, P. R. China

Contact person: Han Zhonghua

Test object: The submitted samples were received and described by client as:
Product Name: Voltage Sensor/电压传感器
Model: ACTDS
Product picture refer to the APPENDIX I

Tested sample description: Refer to next page(s).

Test specification: 2011/65/EU (RoHS) Directive and 2015/863/EU (RoHS amendment) Directive
Test with reference to EN 62321-1:2013, EN 62321-2:2014, EN 62321-3-1:2014, EN 62321-4:2014, EN 62321-5:2014, EN 62321-6:2015, EN 62321-7-1:2015, EN 62321-7-2:2017 and EN 62321-8:2017.

Test result: Refer to the data listed in following pages

Conclusion: With regard to the data of tested components, the requirements of Directive 2011/65/EU (RoHS) and 2015/863/EU are complied.

Remarks: 1. The tested samples were identified and appointed by client.
2. The result relates only to the items tested.

Page 1 of 34

2.2 Power Monitoring & Controlling

AMC Series Programmable Power Meter

CE of AMC72L-AI3/AV3

UDEM

CERTIFICATE

ATTESTATION CERTIFICATE
OF ELECTROMAGNETIC
COMPATIBILITY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been observed and audit has been completed successfully.
2014/30/EU Electromagnetic Compatibility Directive and
2014/35/EU Low Voltage Directives have been taken as references for these processes

Company Name : Acrel Co., Ltd.

Company Address : No.253, Yulv Road, Jiading District, Shanghai, China

Manufacturer Name : Jiangsu Acrel Electric MFG.Co., Ltd.

Manufacturer Address : No.5, Dongmeng Road, Nanzha Street, Jiangyin City, Jiangsu Province, China

Related Directives and Annex : 2014/35/EU Low Voltage Directive
2014/30/EU Electromagnetic Compatibility Directive

Related Standards : EN 62368-1:2014+A11:2017, EN 61000-3-12:2011
EN 61000-3-3:2013, EN 61000-6-1:2007
EN 61000-6-3:2007/A1:2011/AC:2012

Product Name : Three Phase AC Programmable Ammeters&Voltmeters

Report No and Date : X.J201809060ZLVDEMC

Product Brand/Model/Type : Acrel/AMC72L-AI3;AMC72L-AV3

Certificate Number : M.2018.201.M6782
Initial Assessment Date : 07.09.2018
Registration Date : 10.09.2018
Reissue Date/No : -
Expiry Date : 09.09.2023

UDEM International Certification
Auditing Training Cargile Industry
and Trade Inc. Co.,

The validity of the certificate can be checked through www.udem.com.tr. The CE mark shown on the right can only be used under the responsibility of the manufacturer with the conversion of EC Declaration of Conformity for all the relevant Directives. The certificate remains the property of UDEM International Certification Auditing Training Cargile Industry and Trade Inc. Co. to which it must be returned upon request. The above named firm must keep a copy of this certificate for 10 years from the registration of certificate. This certificate loses its validity in case of any changes in the product or any changes in the processes.
Adres ve: Mustafa kemal Mah.2073 Sokak (Eski 33 Sokak) No:10 Çankaya – Ankara – TURKEY
Phone: +90 0312 443 03 98 Fax: +90 0312 443 03 76
E-mail: info@udemtest.com.tr www.udem.com.tr

CE of AMC96(L) series

UDEM

CERTIFICATE

ATTESTATION CERTIFICATE
OF ELECTROMAGNETIC
COMPATIBILITY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been observed and audit has been completed successfully.
2014/30/EU Electromagnetic Compatibility Directive and
2014/35/EU Low Voltage Directives have been taken as references for these processes

Company Name : Acrel Co., Ltd.

Company Address : No.253, Yulv Road, Jiading District, Shanghai, China

Manufacturer Name : Jiangsu Acrel Electric MFG.Co., Ltd.

Manufacturer Address : No.5, Dongmeng Road, Nanzha Street, Jiangyin City, Jiangsu Province, China

Related Directives and Annex : 2014/35/EU Low Voltage Directive
2014/30/EU Electromagnetic Compatibility Directive

Related Standards : EN 62368-1:2014+A11:2017, EN 61000-3-12:2011
EN 61000-3-3:2013, EN 61000-6-1:2007
EN 61000-6-3:2007/A1:2011/AC:2012

Product Name : AC Smart Power Analyzers

Report No and Date : X.J201809060ML VDEMC

Product Brand/Model/Type : Acrel/AMC96L-E4/KC;AMC96L-E4;AMC96L-E4/C

Certificate Number : M.2018.201.M6764
Initial Assessment Date : 07.09.2018
Registration Date : 10.09.2018
Reissue Date/No : -
Expiry Date : 09.09.2023

UDEM International Certification
Auditing Training Cargile Industry
and Trade Inc. Co.,

The validity of the certificate can be checked through www.udem.com.tr. The CE mark shown on the right can only be used under the responsibility of the manufacturer with the conversion of EC Declaration of Conformity for all the relevant Directives. The certificate remains the property of UDEM International Certification Auditing Training Cargile Industry and Trade Inc. Co. to which it must be returned upon request. The above named firm must keep a copy of this certificate for 10 years from the registration of certificate. This certificate loses its validity in case of any changes in the product or any changes in the processes.
Adres ve: Mustafa kemal Mah.2073 Sokak (Eski 33 Sokak) No:10 Çankaya – Ankara – TURKEY
Phone: +90 0312 443 03 98 Fax: +90 0312 443 03 76
E-mail: info@udemtest.com.tr www.udem.com.tr

2.2 Power Monitoring & Controlling

CE of AMC72L-AI/AV

UDEM

CERTIFICATE

ATTESTATION CERTIFICATE
OF ELECTROMAGNETIC
COMPATIBILITY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been observed and audit has been completed successfully.

2014/30/EU Electromagnetic Compatibility Directive and
2014/35/EU Low Voltage Directives have been taken as references for these processes

Company Name	: Acrel Co., Ltd.
Company Address	: No.253, Yulv Road, Jiading District, Shanghai, China
Manufacturer Name	: Jiangsu Acrel Electric MFG.Co., Ltd.
Manufacturer Address	: No.5, Dongmeng Road, Nansha Street, Jiangyin City, Jiangsu Province, China
Related Directives and Annex	: 2014/35/EU Low Voltage Directive 2014/30/EU Electromagnetic Compatibility Directive
Related Standards	: EN 62053-1:2014+A11:2017, EN 61000-3-12:2011 EN 61000-3-2:2014, EN 61000-3-11:2000 EN 61000-6-3:2007/A1:2011/AC:2012
Product Name	: Single Phase AC Programmable Ammeters&Voltmeters
Report No and Date	: KJ2018090603LVDEMC
Product Brand/Model/Type	: Acrel/AMC72L-AI/AMC72L-AV
Certificate Number	: M.2018.201.N6763
Initial Assessment Date	: 07.09.2018
Registration Date	: 10.09.2018
Reissue Date/No	: -
Expiry Date	: 09.09.2023

UDEM International Certification Auditing Training Consultancy Industry and Trade Inc. Co.

Certificate can be checked through www.udem.com.tr. The CE mark shown on the right can only be used under the responsibility of the manufacturer with the completion of EC Declaration of Conformity for all the relevant Directives. This certificate remains the property of UDEM International. Certification Mark can be used only in accordance with the UDEM International Certification Auditing Training Consultancy Industry and Trade Inc. Co. rules. Product must be in conformity with the samples approved by UDEM International. Certificate holder must keep a copy of this certificate for 10 years from the registration of certificate. This certificate only covers the products stated above and LVDM. must be notified in case of any changes of the products.

Address: Ankara Caddesi No:10 Çankaya – Ankara – TURKEY
Phone: +90 0312 443 03 00 Fax: +90 0312 443 03 76
E-mail: info@udemltd.com.tr www.udem.com.tr

EAC of AMC96(L)/AMC72(L) series

ЕВРАЗИЙСКИЙ ЭКОНОМИЧЕСКИЙ СОЮЗ
ДЕКЛАРАЦИЯ О СООТВЕТСТВИИ

EAC

Заявитель Индивидуальный предприниматель Солдатов Виктор Германович

Место жительства и адрес места осуществления деятельности: Российская Федерация, Москва, 139164, проспект Мира, дом 130, квартира 99, основной государственный регистрационный номер индивидуального предпринимателя: 316774600499804, номер телефона: +79104567189, адрес электронной почты: Cv137@mail.ru

в лице

заявляет, что Устройство контроля сбора энергии, торговая марка "AMC", модели: AMC72L-E4/KC; AMC72-E4/KC; AMC72L-E4/HK/CSOE; AMC96L-E4/KC; AMC96-E4/KC; AMC96L-E4/HK/CSOE

изготовитель. "Jiangs Acrel Electrical Manufacturing Co., Ltd." Место нахождения и адрес места осуществления деятельности по изготовлению продукции: No.5, Dongmeng Road, Nansha Street, Jiangyin City, Jiangsu Province, Китай.

Код ТН ВЭД ЕАЭС 9028309000, Серийный выпуск

соответствует требованиям

ТР ТС 004/2011 "О безопасности низковольтного оборудования", ТР ТС 020/2011 "Электромагнитная совместимость технических средств"

Декларация о соответствии принята на основании

Протокола испытаний № VT00581-2019/12 ИЛИТЕ от 09.12.2019 года, выданного Испытательной лабораторией ООО "ВОЛГА-ТЕСТ", аттестат аккредитации РОСС RU.31532.ИЛ02, Протокола испытаний № VT00582-2019/12 ИЛИТЕ от 09.12.2019 года, выданного Испытательной лабораторией ООО "ВОЛГА-ТЕСТ", аттестат аккредитации РОСС RU.31532.ИЛ02.

Схема декларирования 1д

Дополнительная информация

ГОСТ 12.2.007.0-75 "Система стандартов безопасности труда. Изделия электротехнические. Общие требования безопасности"; ГОСТ 30804.3.2-2013 (IEC 61000-3-2:2009) «Совместимость технических средств электромагнитная. Эмиссия гармонических составляющих тока техническими средствами с потребляемым током не более 16 А (в одной фазе). Нормы и методы испытаний», разделы 5 и 7; ГОСТ 30804.3.3-2013 (IEC 61000-3-3:2008) «Совместимость технических средств электромагнитная. Ограничение изменений напряжения, колебаний напряжения и фликера в низковольтных системах электроснабжения общего назначения. Технические средства с потребляемым током не более 16 А (в одной фазе), подключаемые к электрической сети при необозначенном определенных условий подключения. Нормы и методы испытаний», раздел 5. Условия и сроки хранения стандартные при нормальных значениях климатических факторов внешней среды. Срок службы (годности) указан в эксплуатационной документации.

Декларация о соответствии действительна с даты регистрации по 16.12.2024 включительно

Солдатов Виктор Германович
(ФИО заявителя)

СОЛДАТОВ Виктор Германович

Регистрационный номер декларации о соответствии: ЕАЭС N RU Д-CN.ИЦ27.В.01188/19

Дата регистрации декларации о соответствии: 17.12.2019

CE of AMC&AMC(II) series

UDEM

CERTIFICATE

ATTESTATION CERTIFICATE
OF ELECTROMAGNETIC
COMPATIBILITY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been observed and audit has been completed successfully.

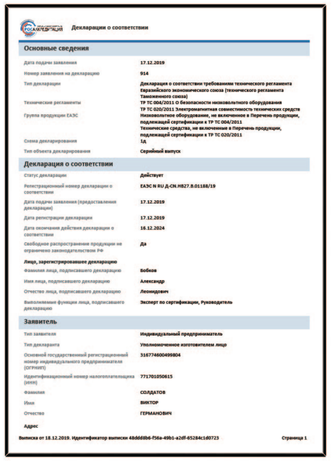
2014/30/EU Electromagnetic Compatibility Directive and
2014/35/EU Low Voltage Directives have been taken as references for these processes

Company Name	: Acrel Co., Ltd.
Company Address	: No.253, Yulv Road, Jiading District, Shanghai, China
Manufacturer Name	: Jiangsu Acrel Electrical Manufacturing Co., Ltd.
Manufacturer Address	: No.5, Dongmeng Road, Nansha Street, Jiangyin City, Jiangsu Province, China
Related Directives and Annex	: 2014/35/EU Low Voltage Directive 2014/30/EU Electromagnetic Compatibility Directive
Related Standards	: EN 61010:2010+A1:2019, EN 61326-1:2013 EN 61000-3-2:2019, EN 61000-3-3:2013+A1:2019
Product Name	: AMC
Report No and Date	: 182550C10010201/182508EC10015501
Product Brand/Model/Type	: Acrel: AMC72-E4/*, AMC72L-E4/*, AMC72-E4/*(II), AMC72L-E4/*(II), AMC96-E4/*, AMC96L-E4/*, AMC96-E4/*(II), AMC96L-E4/*(II), AMC72-E/*, AMC72L-E/*, AMC72-E/*(II), AMC72L-E/*(II), AMC96,
Certificate Number	: M.2021.206.C62904
Initial Assessment Date	: 18.03.2021
Registration Date	: 19.03.2021
Reissue Date/No	: -
Expiry Date	: 18.03.2026

UDEM International Certification Auditing Training Consultancy Industry and Trade Inc. Co.

Certificate can be checked through www.udem.com.tr. The CE mark shown on the right can only be used under the responsibility of the manufacturer with the completion of EC Declaration of Conformity for all the relevant Directives. This certificate remains the property of UDEM International. Certification Mark can be used only in accordance with the UDEM International Certification Auditing Training Consultancy Industry and Trade Inc. Co. rules. Product must be in conformity with the samples approved by UDEM International. Certificate holder must keep a copy of this certificate for 10 years from the registration of certificate. This certificate only covers the products stated above and LVDM. must be notified in case of any changes of the products.

Address: Ankara Caddesi No:10 Çankaya – Ankara – TURKEY
Phone: +90 0312 443 03 00 Fax: +90 0312 443 03 76
E-mail: info@udemltd.com.tr www.udem.com.tr



Декларация о соответствии

Основные сведения

Дата подачи заявления	17.12.2019
Номер заявления на декларацию	914
Тип декларации	Декларация о соответствии требованиям технического регламента Евразийского экономического союза [технического регламента Таможенного союза]
Технические регламенты	ТР ТС 004/2011 О безопасности низковольтного оборудования ТР ТС 020/2011 Электромагнитная совместимость технических средств
Группа продукции ЕАЭС	Низковольтное оборудование, не включенное в Перечень продукции, подлежащей сертификации в ТР ТС 004/2011 Технические средства, не включенные в Перечень продукции, подлежащей сертификации в ТР ТС 020/2011
Схема декларирования	1д
Тип объекта декларирования	Серийный выпуск

Декларация о соответствии

Статус декларации	Действует
Регистрационный номер декларации о соответствии	ЕАЭС N RU Д-CN.ИЦ27.В.01188/19
Дата подачи заявления (предоставления декларации)	17.12.2019
Дата регистрации декларации	17.12.2019
Дата окончания действия декларации о соответствии	16.12.2024
Свободная распространяемая продукция не ограничена законодательством РФ	Да

Лицо, зарегистрировавшее декларацию

Фамилия лица, подписавшего декларацию	Бобков
Имя лица, подписавшего декларацию	Александр
Отчество лица, подписавшего декларацию	Леонидович
Выполняемые функции лица, подписавшего декларацию	Эксперт по сертификации, Руководитель

Заявитель

Тип заявителя	Индивидуальный предприниматель
Тип декларанта	Уполномоченное изготовителем лицо
Основной государственный регистрационный номер индивидуального предпринимателя (ОГРНИП)	316774600499804
Идентификационный номер налогоплательщика (ИНН)	771701050615
Фамилия	СОЛДАТОВ
Имя	ВИКТОР
Отчество	ГЕРМАНОВИЧ

Адрес

Выписка от 18.12.2019. Идентификатор выписки 4bb6d0b6-f56a-49b1-a2df-652b4c1d0723 Страница 1

2.2 Power Monitoring & Controlling

IEC of AMC96(L)/AMC72(L) series

TÜV AUSTRIA CERT GMBH
Certification Body

TÜV AUSTRIA

CERTIFICATE OF CONFORMITY

Certificate - No.: TA 3051503330

Product: AMC

Applicant: Acrel Co., Ltd.
No.253, Yulv Road, Jiading District, Shanghai, China

Manufacturer: Jiangsu Acrel Electric MFG. Co., Ltd.
No.5, Dongmeng Road, Nanzhai Street, Jiangyin City, Jiangsu Province, China

Type / Model / Trademark: AMC96L, AMC96, AMC72(L)

Description / technical specification: Rating: 3-phase 3-wire; 3-phase 4-wire;
Voltage: AC 3x57.7/100V, 3x100/173V, 3x 180/312volts (L-N/L-L)
Current: AC 3x1(1.5)A; 3x5(6)A;
Active energy class 0.5S

Standard(s) / Product Certification Basis: IEC 62052-11:2003
IEC 62053-22:2003

Test Report: T2010-10050

Comments: N/A

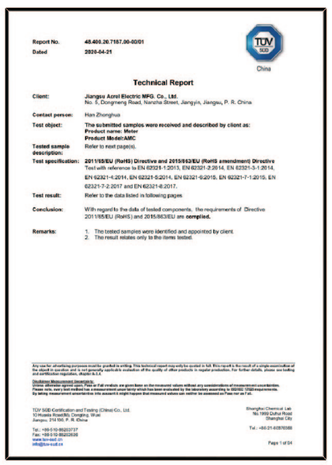
2019-12-11
Date of issue

Head of Certification representative

TÜV AUSTRIA CERT GMBH
TÜV AUSTRIA TWO S. LTD.
www.tuv.at

www.at.tuv.com/qm
QM-FMC GA.TER.01 MD, Rev.06

RoHS of AMC series


Report No. 48.400.20.7157.00-00/01
Dated 2020-04-01

TÜV SÜD
China

Technical Report

Client: Jiangsu Acrel Electric MFG. Co., Ltd.
No. 5, Dongmeng Road, Nanzha Street, Jiangyin, Jiangsu, P. R. China

Contact person: Han Zhonghua

Test object: The submitted samples were received and described by client as:
Product name: Meter
Product Model:AMC

Tested sample description: Refer to next page(s).

Test specification: 2011/65/EU (RoHS) Directive and 2015/863/EU (RoHS amendment) Directive
Test with reference to EN 62321-1:2013, EN 62321-2:2014, EN 62321-3-1:2014,
EN 62321-4:2014, EN 62321-5:2014, EN 62321-6:2015, EN 62321-7-1:2015, EN 62321-7-2:2017 and EN 62321-8:2017.

Test result: Refer to the data listed in following pages

Conclusion: With regard to the data of tested components, the requirements of Directive 2011/65/EU (RoHS) and 2015/863/EU are **complied.**

Remarks:
1. The tested samples were identified and appointed by client.
2. The result relates only to the items tested.

Page 1 of 24

PZ Series AC Energy Multifunction Meter

CE of PZ96L-E4/HA PZ96L-E4/A

Certificate-Certificat-증명서

Certificateof Compliance

No. 1N1806018.A0542

Certificate' s Holder: Acrel Co., Ltd.
No.253, Yulv Road, Jiading District, Shanghai China

Manufacturer: Jiangsu Acrel Electric MFG.Co., Ltd.
No.5, Dongmeng Road, Nanzhai Street Jiangyin 214... Jiangsu Province

Certification Mark:

Product: Programmable Intelligent Electric Instrum
Model(s): PZ96L-E4/HA , PZ96L-E4/A

Verification to: Standard:
EN 61557-1:2007,EN 61557-12:2008,
EN 61000-6-1:2007,
EN 61000-6-3:2007/A1:2011/AC:2012

related toCE Directive(s):
2014/35/EU (Low Voltage)
2014/30/EU (Electromagnetic Compatibility)

Remark: The product(s) has been verified as a separate unit. The product(s) certifies the requirements the Certificate/Mark of EOL in reference to the above listed Standard(s). The above compliance Mark can be affixed to the product(s) according to the EOL application about its ratings and its the application can be found at www.eotecnica.it. This Certificate of Conformance can be checked for validity at www.eotecnica.it.
This verification doesn't imply assessment of the production of the product(s).
Additional information, clarification about CE Marking:
We attest that a TCP for CE Marking purposes is in place. Thereas the Manufacturer is responsible to start CE Marking Certification Procedure and to perform all the necessary activities, as required by the Directive before placin CE Mark on the product(s).

Date of issue:0 Mar 2018
Chief Manager
Henry Reviews

Expiry date:17 Mar 2020
Deputy Manager
Amanda Pengu

Date Certification Machine Srl
Via Ca' Bella, 24Lam Cartella di Internal1e0003 Talamaggia (BO) - ITALY
☎+39 051 6705101 ☎+39 051 6705100 ✉info@eotecnica.it ☸ www.eotecnica.it

CE of PZ series multi-function energy meter

UDEM

CERTIFICATE

ATTESTATION CERTIFICATE
OF ELECTROMAGNETIC
COMPATIBILITY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been observed and audit has been completed successfully.
2014/30/EU Electromagnetic Compatibility Directive and
2014/35/EU Low Voltage Directives have been taken as references for these processes

Company Name : Acrel Co., Ltd.

Company Address : No.253, Yulv Road, Jiading District, Shanghai, China

Manufacturer Name : Jiangsu Acrel Electric MFG. Co., Ltd.

Manufacturer Address : No.5, Dongmeng Road, Nanzha Street, Jiangyin City, Jiangsu Province, China

Related Directives and Annex : 2014/35/EU Low Voltage Directive
2014/30/EU Electromagnetic Compatibility Directive

Related Standards : EN 60950-1:2006/A2:2013, EN 61000-3-12:2011
EN 61000-3-3:2013, EN 61000-6-1:2007
EN 61000-6-3:2007/A1:2011/AC:2012

Product Name : AC Smart Power Analyzers

Report No and Date : XJ2019010801LVDEMC

Product Brand/Model/Type : Acrel:PZ80L-E4/HK2C, PZ80L-E4/K1C, PZ80L-E4/P2C, PZ80L-E4/K3P1C, PZ72L(-)P3*, PZ72L(-)P4*, PZ72L(-)E3*, PZ72L(-)E4*, PZ96L(-)P3*, PZ96L(-)P4*, PZ96L(-)E3*, PZ96L(-)E4*, PZ96L(-)P3*, PZ96L(-)P4*, PZ96L(-)E3*, PZ96L(-)E4*, PZ42L(-)P3*, PZ42L(-)P4*, PZ42L(-)E3*, PZ42L(-)E4*, (* indicates K, M, C, MD, KC, MC)

Certificate Number : M.2018.201.N6104
Initial Assessment Date : 16.01.2019
Registration Date : 17.01.2019
Reissue Date/No : -
Expiry Date : 16.01.2024

UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co.

The validity of the certificate can be checked through www.udem.com.tr. The CE mark shown on the right side of the logo is in accordance with the CE Marking Directive 93/68/EC. The product(s) is/are in Conformity for all the relevant Directives. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be returned upon request. The above mentioned product(s) is/are in conformity with the requirements of the above mentioned Directive(s) only as long as the product(s) stated above and UDEM must be notified in case of any changes on the product(s).
Address: Mustafa Kemal Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya – Ankara – TURKEY
Phone: +90 312 219 60 70 Fax: +90 312 219 60 78
E-mail: info@udemtest.com.tr www.udem.com.tr

2.2 Power Monitoring & Controlling

CE of PZ series AC smart power analyzer

UDEM

CERTIFICATE

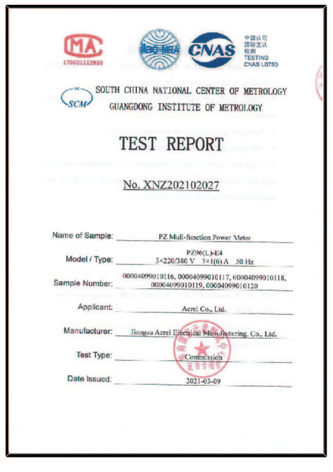
ATTESTATION CERTIFICATE
OF ELECTROMAGNETIC
COMPATIBILITY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been observed and audit has been completed successfully.
2014/30/EU Electromagnetic Compatibility Directive and
2014/35/EU Low Voltage Directives have been taken as references for these processes

Company Name	: Acrel Co., Ltd.
Company Address	: No.253, Yuhr Road, Jiading District, Shanghai, China
Manufacturer Name	: Jiangsu Acrel Electric MFG. Co., Ltd.
Manufacturer Address	: No.5, Dongmeng Road, Nansha Street, Jiangyin City, Jiangsu Province, China
Related Directives and Annex	: 2014/35/EU Low Voltage Directive 2014/30/EU Electromagnetic Compatibility Directive
Related Standards	: EN 60950-1:2006/A2:2013, EN 61000-3-12:2011 EN 61000-3-3:2013, EN 61000-6-1:2007 EN 61000-6-3:2007/A1:2011/AC:2012
Product Name	: AC Smart Power Analyzers
Report No and Date	: XJ201901080 1LVDEMC
Product Brand/Model/Type	: Acrel, PZ80L-E4/W/CZC, PZ80L-E4/K1C, PZ80L-E4/P2C, PZ80L-E4/K2P1C
Certificate Number	: M.2018.201.N8104
Initial Assessment Date	: 16.01.2019
Registration Date	: 17.01.2019
Reissue Date/No	: -
Expiry Date	: 16.01.2024

UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co.

IEC of PZ series multi-function power meter



SOUTH CHINA NATIONAL CENTER OF METROLOGY
GUANGDONG INSTITUTE OF METROLOGY

TEST REPORT

No. XNZ202102027

Name of Sample:	PZ Mult-function Power Meter
Model / Type:	PZ96(L)-E4 3×220/380 V 3×1(6) A 50 Hz
Sample Number:	000040990019116, 000040990019117, 000040990019118, 000040990019119, 000040990019120
Applicant:	Acrel Co., Ltd.
Manufacturer:	Jiangsu Acrel Electrical Manufacturing Co., Ltd.
Test Type:	Commission
Date Issued:	2021-03-09

PZ Series DC Power Analyzer

CE of PZ series DC energy meter

CELAB
Via Mora snc
84128 Latina
Italy
celab@c-mail.com

celab

CERTIFICATE

Certificate Number UCM	: 0036051599
Job	: 22974
Date of Issue	: 2019-07-03
Certificate valid up to	: 2029-07-02
Brand Name	: Acrel
Type	: PZ series DC programmable intelligent digital display device
Model N	: PZ72, PZ72L, PZ80, PZ80L, PZ96, PZ96L, PZ96DL
Manufacturer	: Acrel Co., Ltd.
Address	: No.253, Yuhr Road, Jiading District, Shanghai China

Standard Used : EN 61326-1:2013, EN 61000-3-2:2014, EN61000-3-3:2013, EN 61010-1:2010

Conclusion :
After inspection of the technical documentation issued by the customer, and in his request, we express our opinion that the product meets the technical requirement of the following directives and standards:
2014/30/EU Electromagnetic compatibility (EMC); 2014/35/EU Low Voltage (LVD)

This opinion is only valid for the directive, the equipment and configuration described, in connection with the test data detailed above and with compliance with all applicable legal requirements for the product.
The following manufacturer documents are inspected:

Presence of Declaration of conformity / signature	✔ OK
Presence of test report and standards as indicated in the declaration of conformity	✔ OK
Test report reference : 8317KC/R01 (8317R8 IER (EMC)/ 8317 ISO9(1)10EF/0018/R, &VD)	
Presence of CE symbol in the product label	✔ OK
Presence of instruction manual	✔ OK
Use of all Harmonized standard in the declaration of conformity	✔ OK
Presence of product description in the technical construction file	✔ OK

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Massimiliano Sordoni
General Manager – CELAB
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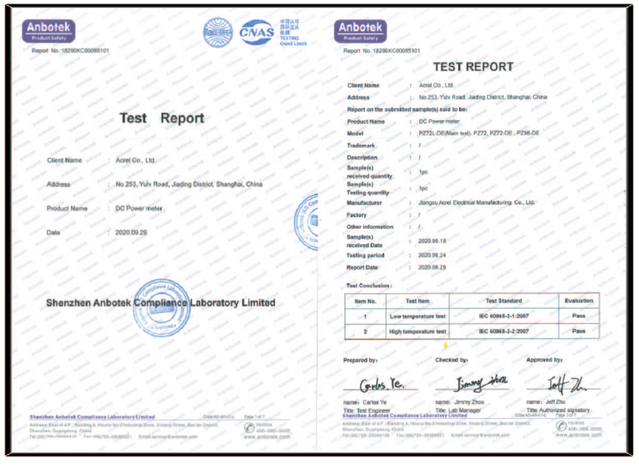
Doc 129 Voluntary Certificate rev 3.38

IEC of PZ72(L)-DE/PZ96-DE



Anbotek Product Safety
Report No.: 182S0KC00085101

Test Report

Client Name	Acrel Co., Ltd.
Address	No.253, Yuhr Road, Jiading District, Shanghai, China
Product Name	DC Power meter
Date	2020.09.29

Shenzhen Anbotek Compliance Laboratory Limited

Anbotek Product Safety
Report No.: 182S0KC00085101

TEST REPORT

Client Name	: Acrel Co., Ltd.
Address	: No.253, Yuhr Road, Jiading District, Shanghai, China
Report on the submitted sample(s) said to be:	
Product Name	: DC Power meter
Model	: PZ72L-DE(Main test), PZ72, PZ72-DE , PZ96-DE
Trademark	: /
Description	: /
Sample(s) received quantity	: 1pc
Sample(s) Testing quantity	: 1pc
Manufacturer	: Jiangsu Acrel Electrical Manufacturing Co., Ltd.
Factory	: /
Other information	: /
Sample(s) received Date	: 2020.09.18
Testing period	: 2020.09.24
Report Date	: 2020.09.29

Test Conclusion :

Item No.	Test Item	Test Standard	Evaluation
1	Low temperature test	IEC 60068-2-1:2007	Pass
2	High temperature test	IEC 60068-2-2:2007	Pass

Prepared by: Carlos Ye, Title: Test Engineer
Checked by: Jimmy Zhou, Title: Lab Manager
Approved by: Jeff Zhu, Title: Authorized signatory

Shenzhen Anbotek Compliance Laboratory Limited

2.2 Power Monitoring & Controlling

IEC of PZ72(L)-DE/PZ96-DE

Anbotek Product Safety

Report No.: 182508C00074301

Test Report

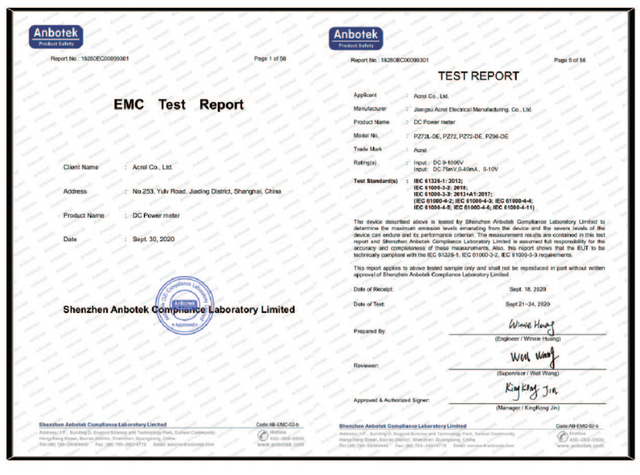
Client Name : ACREL CO., LTD.
Address : No.253, Yulv Road, Jiading District, Shanghai, China
Product Name : DC Power meter
Date : Sept. 29, 2020

Shenzhen Anbotek Compliance Laboratory Limited

Anbotek Product Safety — Page 2 of 54 — Report No. 182508C00074301

TEST REPORT
IEC 61010-1
Amendment 1 - Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements

Report	
Reference No.	182508C00074301
Compiled by	Sanko Chen
Approved by	Jeff Zhu
Date of issue	Sept. 29, 2020
Contents	54 pages report
Testing laboratory	
Name	Shenzhen Anbotek Compliance Laboratory Limited
Address	1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangzhong Street, Baoan District, Shenzhen, Guangdong, China 518128
Testing location	Same as above
Applicant	
Name	ACREL CO., LTD.
Address	No.253, Yulv Road, Jiading District, Shanghai, China
Manufacturer	
Name	Jiangsu Acrel Electrical Manufacturing Co., Ltd.
Address	No.5, Dongmeng Road, Nanzhai Street, Jiangyin City, Jiangsu Province, China
Test specification	
Standard	IEC 61010-1: 2010+A1:2016
Procedure deviation	N.A.
Non-standard test method	N.A.
Type of test object	
Description	DC Power meter
Trademark	Acrel
Model/type reference	PZ72L-DE, PZ72, PZ72-DE, PZ96-DE
Rating	Input : DC 9-1000V Input : DC 75mV,0-40mA, 0-10V



Anbotek Product Safety

Report No.: 182508EC00099301 — Page 1 of 58

EMC Test Report

Client Name : Acrel Co., Ltd.
Address : No 253, Yulv Road, Jiading District, Shanghai, China
Product Name : DC Power meter
Date : Sept. 30, 2020

Shenzhen Anbotek Compliance Laboratory Limited

Anbotek Product Safety — Report No.: 182508EC00099301 — Page 5 of 58

TEST REPORT

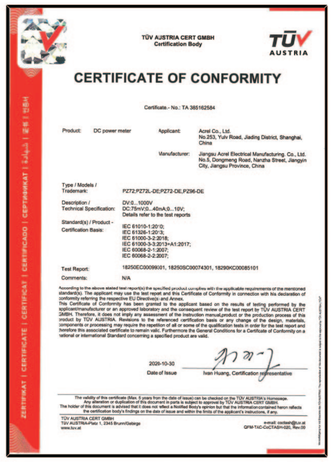
Applicant	Acrel Co., Ltd.
Manufacturer	Jiangsu Acrel Electrical Manufacturing Co., Ltd.
Product Name	DC Power meter
Model No.	PZ72L-DE, PZ72, PZ72-DE, PZ96-DE
Trade Mark	Acrel
Rating(s)	Input : DC 9-1000V Input : DC 75mV,0-40mA, 0-10V
Test Standard(s)	**IEC 61326-1: 2012;** **IEC 61000-3-2: 2018;** **IEC 61000-3-3: 2013+A1:2017;** **IEC 61000-4-2; IEC 61000-4-3; IEC 61000-4-4;** **IEC 61000-4-5; IEC 61000-4-6; IEC 61000-4-11;**

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliant with the IEC 61326-1, IEC 61000-3-2, IEC 61000-3-3 requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Date of Receipt: Sept. 18, 2020
Date of Test: Sept 21~24, 2020
Prepared By: (Engineer / Winnie Huang)
Reviewer: (Supervisor / Well Wang)
Approved & Authorized Signer: (Manager / KingKong Jin)

IEC of PZ72(L)-DE/PZ96-DE



TÜV AUSTRIA CERT GMBH Certification Body — TÜV AUSTRIA

CERTIFICATE OF CONFORMITY

Certificate.- No.: TA 365162584

Product: DC power meter
Applicant: Acrel Co., Ltd. No.253, Yulv Road, Jiading District, Shanghai, China
Manufacturer: Jiangsu Acrel Electrical Manufacturing Co., Ltd. No.5, Dongmeng Road, Nanzhai Street, Jiangyin City, Jiangsu Province, China

Type / Models / Trademark: PZ72,PZ72L-DE,PZ72-DE,PZ96-DE
Description / Technical Specification: DV:0...1000V DC;75mV,0...40mA,0...10V; Details refer to the test reports
Standard(s) / Product - Certification Basis: IEC 61010-1:2010; IEC 61326-1:2012; IEC 61000-3-2:2018; IEC 61000-3-3:2013+A1:2017; IEC 60068-2-1:2007; IEC 60068-2-2:2007;
Test Report: 182508EC00099301, 182508C00074301, 182990IC00085101
Comments: N/A

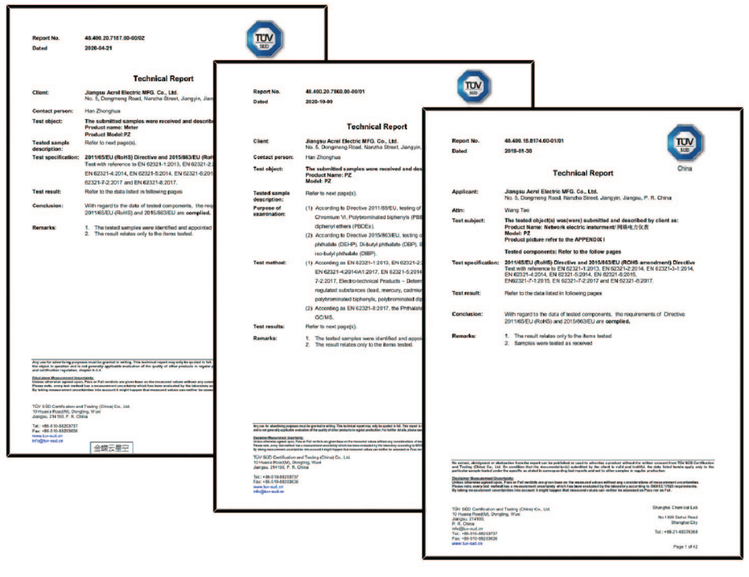
According to the above stated test report(s) the specified product complies with the applicable requirements of the mentioned standard(s). The applicant may use the test report and this Certificate of Conformity in connection with his declaration of conformity referring the respective EU Directive(s) and Annex.
This Certificate of Conformity has been granted to the applicant based on the results of testing performed by the applicant/manufacturer or an approved laboratory and the consequent review of the test report by TÜV AUSTRIA CERT GMBH. The applicant is obliged to inform TÜV AUSTRIA CERT GMBH about any change of the design, materials, components or processing may require the repetition of all or some of the qualification tests in order for the test report and therefore this associated certificate to remain valid. Furthermore the General Conditions for a Certificate of Conformity on a national or international Standard concerning a specified product are valid.

2020-10-30 — Date of Issue
Ivan Huang, Certification representative

The validity of this certificate (Max. 5 years from the date of issue) can be checked on the TÜV AUSTRIA's Homepage.
Any alteration or duplication of this document in parts is subject to approval by TÜV AUSTRIA CERT GMBH.
The holder of this document is advised that it does not reflect a Notified Body's opinion but that the information contained herein reflects the certification body's findings on the date of issue and within the limits of the applicant's instructions, if any.

TÜV AUSTRIA CERT GMBH
TÜV AUSTRIA-Platz 1, 2345 Brunn/Gebirge
www.tuv.at
email: certinfo@tuv.at
QFM-TAC-DUCTAI(H)120, Rev.09

RoHS of PZ series



Report No. 48.400.20.7187.00-00/02
Dated 2020-04-21
Technical Report
Client: Jiangsu Acrel Electric MFG. Co., Ltd. No. 5, Dongmeng Road, Nanzhai Street, Jiangyin, Jia
Contact person: Han Zhonghua
Test object: The submitted samples were received and describ Product name: Meter Product Model: PZ
Tested sample description: Refer to next page(s).
Test specification: 2011/65/EU (RoHS) Directive and 2015/863/EU (RoH Test with reference to EN 62321-1:2013, EN 62321-2 EN 62321-4:2014, EN 62321-5:2014, EN 62321-6:201 62321-8:2017 and EN 62321-9:2017.
Test result: Refer to the data listed in following pages
Conclusion: With regard to the data of tested components, the requ 2011/65/EU (RoHS) and 2015/863/EU are complied.
Remarks: 1. The tested samples were identified and appoint 2. The result relates only to the items tested.

Report No. 48.400.20.7860.00-00/01
Dated 2020-10-09
Technical Report
Client: Jiangsu Acrel Electric MFG. Co., Ltd. No. 5, Dongmeng Road, Nanzhai Street, Jiangyin,
Contact person: Han Zhonghua
Test object: The submitted samples were received and des Product Name: PZ Model: PZ
Tested sample description: Refer to next page(s).
Purpose of examination: (1) According to Directive 2011/65/EU, testing of Chromium VI, Polybrominated biphenyls (PBB) diphenyl ethers (PBDEs).
(2) According to Directive 2015/863/EU, testing o phthalate (DEHP), Di-butyl phthalate (DBP), B iso-butyl phthalate (DIBP).
Test method: (1) According as EN 62321-1:2013, EN 62321-2 EN 62321-4:2014+A1:2017, EN 62321-5:2014 2-2:2017, Electro-technical Products – Deter regulated substances (lead, mercury, cadmiu polybrominated biphenyls, polybrominated di
(2) According as EN 62321-8:2017, the Phthalate GC/MS.
Test results: Refer to next page(s).
Remarks: 1. The tested samples were identified and appo 2. The result relates only to the items tested.

Report No. 48.400.18.8174.00-01/01
Dated 2018-05-30
Technical Report
Applicant: Jiangsu Acrel Electric MFG. Co., Ltd. No. 5, Dongmeng Road, Nanzhai Street, Jiangyin, Jiangsu, P. R. China
Attn: Wang Tao
Test subject: The tested object(s) was(were) submitted and described by client as: Product Name: Network electric instrument/网络电力仪表 Model: PZ Product picture refer to the APPENDIX I
Tested components: Refer to the follow pages
Test specification: 2011/65/EU (RoHS) Directive and 2015/863/EU (ROHS amendment) Directive Test with reference to EN 62321-1:2013, EN 62321-2:2014, EN 62321-3-1:2014, EN 62321-4:2014, EN 62321-5:2014, EN 62321-6:2015, EN62321-7-1:2015, EN 62321-7-2:2017 and EN 62321-8:2017.
Test result: Refer to the data listed in following pages
Conclusion: With regard to the data of tested components, the requirements of Directive 2011/65/EU (RoHS) and 2015/863/EU are complied.
Remarks: 1. The result relates only to the items tested 2. Samples were tested as received

China

TÜV SÜD Certification and Testing (China) Co., Ltd.
10 Huaxia Road(M), Dongjing, Wuxi
Jiangsu, 214000, P. R. China
www.tuv-sud.cn
info@tuv-sud.cn
Tel.: +86-510-68328737
Fax: +86-510-68328638

Shanghai Chemical Lab
No.1189 Dahui Road
Shanghai City
Tel.: +86-21-60328368

Page 1 of 12

2.2 Power Monitoring & Controlling

ARD Series Smart Motor Protector

CE of ARD3T series

CHINA QUALITY CERTIFICATION CENTRE
CERTIFICATE OF CONFORMITY

Certificate No.: CE20305806763

Product Motor Protector

Applicant ACREL Co., Ltd.
No.253 YuLv Road, JiaDing District, ShangHai City,P.R.China

Type/Model ARD3T:

Technical data Ui:660V; Uimp:4kV;
Ue:AC380V/660V;Ie:0.4-2.0A,1.6-6.3A,6.3-25A,25-100A,63-250A;Tripping class: 10A,10,20,30; IP20; IP;Attached auxiliary contacts:4NO;Ith:6A;UI:250V,Uimp:4kV,AC-15: Ue/Ie:220V/5A.

This is to certify that, on the basis of the tests undertaken as per Report No. 03601-A-20D0016-S-A,03601-A-20D0008-S-B, the submitted sample(s) of the above item complies with:

EN 60947-4-1:2010 + A1:2012

and fulfills testing requirements of the European Directive:

2014/35/EU

Valid from: Mar.30,2020
Valid until: Mar.30,2025

President: Lu Mei

CHINA QUALITY CERTIFICATION CENTRE
Section 9,No.188,NianshuaiXiu, Beijing 100070 P.R.China
http://www.cqc.com.cn

CE 0010537

CE of ARD2(L)series

CHINA QUALITY CERTIFICATION CENTRE
CERTIFICATE OF CONFORMITY

Certificate No.: CE20305806750

Product Motor Protector

Applicant ACREL Co., Ltd.
No.253 YuLv Road, JiaDing District, ShangHai City,P.R.China

Type/Model ARD2, ARD2L:

Technical data UI:380V; Uimp:4kV;Ue:AC380V;Ie: 0.4~1.6A,1.6~6.3A,6.3~25A,25~100A,63~250A; Tripping class: 10A,10,20,30; IP20; 3P;Attached auxiliary contacts:1NO,1NC,Ith:6A;UI:250V,Uimp:4kV,AC-15: Ue/Ie:220V/3A.

This is to certify that, on the basis of the tests undertaken as per Report No. 03601-A-20D0008-S-A,03601-A-20D0008-S-B, the submitted sample(s) of the above item complies with:

EN 60947-4-1:2010 + A1:2012

and fulfills testing requirements of the European Directive:

2014/35/EU

Valid from: Mar.30,2020
Valid until: Mar.30,2025

President: Lu Mei

CHINA QUALITY CERTIFICATION CENTRE
Section 9,No.188,NianshuaiXiu, Beijing 100070 P.R.China
http://www.cqc.com.cn

CE 0010535

CE of ARD2M series

CHINA QUALITY CERTIFICATION CENTRE
CERTIFICATE OF CONFORMITY

Certificate No.: CE22030507687

Product Motor Protector

Applicant ACREL Co., Ltd.
No.253 YuLv Road, JiaDing District, ShangHai City,P.R.China

Type/Model ARD2M

Technical data UI:660V;Ue:AC380V/660V;Ie:1(0.1~1.6)A,5(1.6~6.3)A,25(6.3~25)A,100(25~100)A,250(63~250)A,800(250~800)A; Tripping Class:10A,10,20,30,3P; IP20;Attached auxiliary contacts : (4NO,1NONC):UI:250V,Uimp:4kV,Ith:6A,AC-15:Ue/Ie:AC220V/6A

This is to certify that, on the basis of the tests undertaken as per Report No. 03601-A-22D0016-S-A,03601-A-22D0016-S-B, the submitted sample(s) of the above item complies with:

EN IEC 60947-4-1:2019;EN60947-5-1:2017

and fulfills testing requirements of the European Directive:

2014/35/EU

This report is to verify the compliance of the sample submitted by thoseamufacturer only, and does not include the manufacturing process. Users shall affix the mark in accordance with the related legislation.

Valid from: May.30,2022
Valid until: May.29,2025

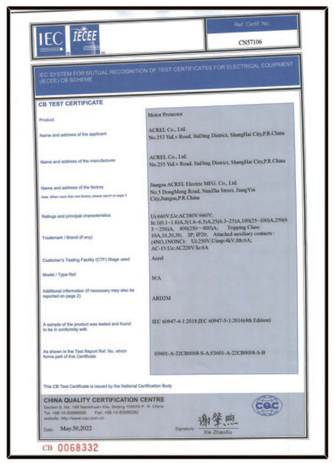
The certificate information is available through the QR code below or CNCA's website: www.cnca.gov.cn

SIGNATURE: 谢肇煦

CHINA QUALITY CERTIFICATION CENTRE

CE 0012141

CB of ARD2M series



IEC IECEE

Ref. Certif. No.
CN57106

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	Motor Protector
Name and address of the applicant	ACREL Co., Ltd. No.253 YuLv Road, JiaDing District, ShangHai City,P.R.China
Name and address of the manufacturer	ACREL Co., Ltd. No.253 YuLv Road, JiaDing District, ShangHai City,P.R.China
Name and address of the factory (Note: When more than one factory, please report on page 2)	Jiangsu ACREL Electric MFG. Co., Ltd. No.5 DongMeng Road, NanZhu Street, JiangYin City,Jiangsu,P.R.China
Ratings and principal characteristics	UI:660V;Ue:AC380V/660V; Ie:1(0.1-1.6)A,5(1.6-6.3)A,25(6.3~25)A, 100(25~100)A,250(63~250)A,800(250~800)A; Tripping Class: 10A,10,20,30; 3P; IP20; Attached auxiliary contacts : (4NO,1NONC): UI:250V,Uimp:4kV,Ith:6A; AC-15:Ue:AC220V/6A
Trademark / Brand (if any)	Acrel
Customer's Testing Facility (CTF) Stage used	N/A
Model / Type Ref.	ARD2M
Additional information (if necessary may also be reported on page 2)	IEC 60947-4-1:2018;IEC 60947-5-1:2016(4th Edition)
A sample of the product was tested and found to be in conformity with	
As shown in the Test Report Ref. No. which forms part of this Certificate	03601-A-22CB0008-S-A,03601-A-22CB0008-S-B

This CB Test Certificate is issued by the National Certification Body

CHINA QUALITY CERTIFICATION CENTRE
Section 9, No. 188 Nianshuan Xiu, Beijing 100070 P. R. China
Tel: +86-10-83998888 Fax: +86-10-83998282
website: http://www.cqc.com.cn

Date: May.30,2022
Signature: 谢肇煦
Xie ZhaoXu

CB 0068332

2.2 Power Monitoring & Controlling

CE of ARD3M,ARD2F(II) series

CHINA QUALITY CERTIFICATION CENTRE
CERTIFICATE OF CONFORMITY

Certificate No.: CE220305007703

Product: Motor Protector

Applicant: ACREL Co., Ltd.
No.253 Yuc.e Road, Jiading District, Shanghai City,P.R.China

Type/Model: ARD3M, ARD2F(II)

Technical data: ARD3M,ARD2F(II)
U:660V;Ue:AC380V/660V;Ie:0.1~1.6A,5(1.6~6.3)A,25(5.5~25)A,100(25~100)A,210(60~210)A,800(250~800)A;
Tripping Class: 10, 20, 30; Poles:3P;IP20; Attached Auxiliary Contacts: ARD3M:2NO, NC;ARD2F(II):4NO, INO/NC;
Ui:250V;Uimp:4kV;Ith:6A;AC-15:Ue:AC220V/Ie:6A.

This is to certify that, on the basis of the tests undertaken as per Report No. 03601-A-2220012-B-A,03601-A-2220012-B-B, the submitted sample(s) of the above item complies with:

EN IEC 60947-4-1:2019;EN50947-5-1:2017

and fulfills testing requirements of the European Directive:
2014/35/EU

This report is to verify the compliance of the sample submitted by the manufacturer only, and does not involve the manufacturing process. Users shall affix the marks in accordance with the related legislation.

Valid from: Jun.07,2022

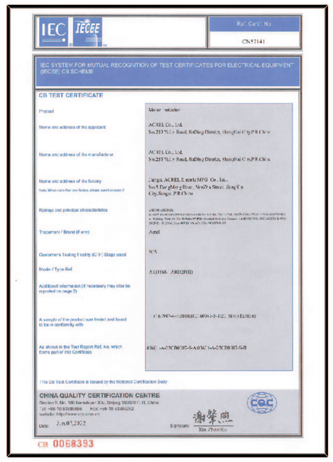
Valid until: Jun.06,2025

SIGNATURE: 谢肇煦

CHINA QUALITY CERTIFICATION CENTRE

CE 0012165

CB of ARD3M,ARD2F(II) series


IEC IECEE

Ref. Cert. No.
CN5141

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product: Motor protector

Name and address of the applicant: ACREL Co., Ltd.
No.253 Yuc.e Road, JiaDing District, Shanghai City P.R.China

Name and address of the manufacturer: ACREL Co., Ltd.
No.253 Yuc.e Road, JiaDing District, Shanghai City P.R.China

Name and address of the factory: Ningbo ACREL Electric MFG Co., Ltd.
No.9 Tianjiao Road, Xiaozhu Street, Jiang Xia City,Ningbo P.R.China

Ratings and product characteristics: AC50/60Hz
Ui:250V;Uimp:4kV;Ith:6A;AC-15:Ue:AC220V/Ie:6A

Trademark / Brand if any: Acrel

Generator Testing Facility (G.T.F.) Ratings used: N/A

Model / Type Ref: ARD3M, ARD2F(II)

Additional information (if necessary may also be reported on page 2)

A sample of the product was tested and found to be in conformity with

As shown in the Test Report Ref. No. which forms part of this Certificate: 03601-A-2220012-B-A,03601-A-2220012-B-B

This CB Test Certificate is issued by the National Certification Body

CHINA QUALITY CERTIFICATION CENTRE
Section 9, No. 188, Nanshuiyuan Xilu, Beijing 100070 P.R.China
Tel: +86 10 88380000 Fax: +86 10 88380202
website: http://www.cqc.com.cn

Date: 2022/7/22

SIGNATURE: 谢肇煦
Xie Zhaoxu

CB 0068393

CE of ARD/ARD2F/ARD3 series

CHINA QUALITY CERTIFICATION CENTRE
CERTIFICATE OF CONFORMITY

Certificate No.: CE20305006767

Product: Motor Protector

Applicant: ACREL Co., Ltd.
No.253 Yuc.e Road, JiaDing District, Shanghai City,P.R.China

Type/Model: ARD2F, ARD3;

Technical data: U:660V; Uimp:4kV; Ue:AC380V/660V;Ie: 0.4~1.6A,1.6~6.3A,6.3~25A,25~100A,63~250A; Tripping class: 10A,10,20,30; IP20; 3P;Attached auxiliary contacts:4NO,INC;Ith:6A;UI:250V;Uimp:4kV;AC-15: Ue/Ie:220V/6A.

This is to certify that, on the basis of the tests undertaken as per Report No. 03601-A-20D0007-S, the submitted sample(s) of the above item complies with:

EN 60947-4-1:2010 + A1:2012

and fulfills testing requirements of the European Directive:
2014/35/EU

Valid from: Mar.30,2020

Valid until: Mar.30,2023

President: Lu Mei

CHINA QUALITY CERTIFICATION CENTRE
Section 9,No.188,Nanshuiyuan Xilu, Beijing 100070 P.R.China
http://www.cqc.com.cn

CE 0010538

ALP Series Smart Protection Device

CE of ALP300-100

CHINA QUALITY CERTIFICATION CENTRE
CERTIFICATE OF CONFORMITY

Certificate No.: CE20305006751

Product: Motor Protector

Applicant: ACREL Co., Ltd.
No.253 Yuc.e Road, JiaDing District, Shanghai City,P.R.China

Type/Model: ALP300-100;

Technical data: UI:380V; Uimp:4kV; Ue:AC380V;Ie: 25~100A;Tripping class: 10A,10,20,30; IP20; 3P;Attached auxiliary contacts:2NO/NC; Ith:5A;UI:250V;Uimp:4kV;AC-15: Ue/Ie:220V/5A.

This is to certify that, on the basis of the tests undertaken as per Report No. 03601-A-20D0005-S-A,03601-A-20D0005-S-B, the submitted sample(s) of the above item complies with:

EN 60947-4-1:2010 + A1:2012

and fulfills testing requirements of the European Directive:
2014/35/EU

Valid from: Mar.30,2020

Valid until: Mar.30,2023

President: Lu Mei

CHINA QUALITY CERTIFICATION CENTRE
Section 9,No.188,Nanshuiyuan Xilu, Beijing 100070 P.R.China
http://www.cqc.com.cn

CE 0010536

2.2 Power Monitoring & Controlling

WHD Series Temperature &Humidity Controller

CE of WHD10R-11

CE of WHD48-11

CE of WHD Series

ARTM Series Wireless Temperature Monitor

CE of ARTM-8

2.2 Power Monitoring & Controlling

CE RED of ATE ATC series

MiCOM Labs

CERTIFICATE of EXAMINATION

NOTIFIED BODY EU-TYPE EXAMINATION CERTIFICATE

DOMN01-EU/ 8 Jun 2021 / Rev A

Radio Equipment Directive (RED) 2014/53/EU

MICOM Labs Inc., Notified Body Number 2200, declares, on the basis of the assessment of the tests and the technical documentation provided by the applicant that the following product complies with the essential requirements of the above noted Directive.

Product Name:
Wireless Temperature Sensor

Approval Holder Name:
Acrel Co., Ltd.

Gordon Hurst, Product Certifier

This Certificate is issued under the Authority of:
MICOM Labs Inc., 575 Boulder Court, Pleasanton, California 94566, USA
Notified Body Number: 2200

Page 1 of 2

DOMN01

■ ASJ Series Residual Current Relay

CE of ASJ series

UDEM

CERTIFICATE

ATTESTATION CERTIFICATE
OF ELECTROMAGNETIC
COMPATIBILITY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been observed and audit has been completed successfully.
2014/30/EU Electromagnetic Compatibility Directive and
2014/35/EU Low Voltage Directives have been taken as references for these processes

Company Name : Acrel Co, Ltd.

Company Address : No.253, Yuhi Road, Jiading District, Shanghai, China

Manufacturer Name : Jiangsu Acrel Electrical Manufacturing Co., Ltd.

Manufacturer Address : No.5, Dongmeng Road, Nanzha Street, Jiangyin City, Jiangsu Province, China

Related Directives and Annex : 2014/35/EU Low Voltage Directive
2014/30/EU Electromagnetic Compatibility Directive

Related Standards : EN 60255-27:2014, EN 60947-1:2007+A1:2011+A2:2014
EN 60947-4-1:2010+A1:2012, EN 60255-26:2013
EN 61000-3-2:2019, EN 61000-3-3:2013+A1:2019

Product Name : Residual Current Operated Relay

Report No and Date : SRZ505C0004201/SRZ505EC00014601

Product Brand/Model/Type : Acrel, ASJ10, ASJ10-LD1A, ASJ10-LD1C, ASJ20, ASJ20-LD1A, ASJ20-LD1C

Certificate Number : M.2020.206.C9533
Initial Assessment Date : 09.10 .2020
Registration Date : 12.10.2020
Reissue Date/No : / -
Expiry Date : 11.10.2025

The validity of the certificate can be checked through www.udemcert.com. The CE mark shown on the right side of this certificate may only be affixed to this product after fulfillment of all applicable EU directives for this product and the preparation of the necessary technical documentation as well as the conformity declaration by the manufacturer. Certificate Holder: Acrel Co, Ltd. This certificate remains the property of UDEM International - Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be returned upon request. The above mentioned product is subject to periodic inspection. The validity of this certificate is subject to no changes to the product and UDEM must be notified in case of any changes to the product.

Address: Ege Mah. Mustafa Kemal Cad. 2073 Sokak No:10 Çankaya – Ankara – TURKEY
Phone: +90 (312) 442 03 00 Fax: +90 (312) 442 03 74
E-mail: info@udemcert.com.tr www.udemcert.com.tr

UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co.

■ ARTU series remote terminal unit

CE of ARTU100

TÜV AUSTRIA (SHANGHAI) CO., LTD.

VERIFICATION OF CONFORMITY

Verification - No.: TASH-220511315-V2

Product: ARTU Series of Remote Terminal Units
Applicant: Acrel Co., Ltd. No.253, Yuhi Road, Jiading District, Shanghai, China
Manufacturer: Jiangsu Acrel Electrical Manufacturing Co., Ltd. No.5, Dongmeng Road, Nanzha Street, Jiangyin City, Jiangsu Province, China

Type / Models: ARTU, ARTU100, ARTU-K08, ARTU-K08, ARTU-K16, ARTU-K32, ARTU-J16, ARTU-P8, ARTU-P16, ARTU-P32, ARTU-W-32, ARTU-100-P, AR-U-P20-LN8*, ARTU100-K32* (* can be CE, MA5H, MK16, MJ16, MK4/16, MPOW)

Trademark / Brand: Acrel
Description / Technical Specification: 85V~265VAC, 50Hz, 15VA.
EU Directive: 2014/35/EU
Relevant Standard(s) / Specification(s): EN IEC 62368-1:2020+A11:2020
Test Report: 78251EC20404601
Comments: None

According to the above stated test records, the sample(s) of the above product have been found to comply with the applicable requirements of the mentioned standard(s) at the time the tests were carried out. The applicant may use the test report and this Verification of Conformity in connection with his declaration of conformity referring the respective EU Directive(s) and Annex.

This Verification of Conformity has been granted to the applicant based on the results of testing performed by the applicant / manufacturer or an approved laboratory and the consequent review of the test report by TÜV AUSTRIA (SHANGHAI) CO., LTD. Therefore, it does not imply any assessment of the instruction manual, product or the production process of this product by TÜV AUSTRIA. Revisions to the referenced certification basis or any change of the design, materials, components or processing may require the repetition of all or some of the qualification tests in order for the test report and therefore this associated Verification of Conformity to remain valid. This Verification by itself does not imply that the material, product, or service is or has ever been under a TÜV AUSTRIA certification program.

2022-05-12
Date of Issue

CE Mark may only be affixed to this product after fulfillment o f all applicable EU directives for this product and the preparation of the necessary technical documentation as well as the conformity declaration by the manufacturer.

The validity of certificate (Max.5 years from the date of issue) may be limited due to update of the directive or standards and/or changes in products. TÜV AUSTRIA's responsibility and liability are limited to the terms and conditions of the agreement. TÜV AUSTRIA assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification.

TÜV AUSTRIA (SHANGHAI) CO., LTD.
Room 120, Orient Century Building, No.345 Xian Xia Road, Shanghai, P.R. China 200336
P.R. China
e-mail: office@tv-austria.com
TASH-VOC-P01, Rev.00

TÜV AUSTRIA (SHANGHAI) CO., LTD.

VERIFICATION OF CONFORMITY

Verification - No.: TASH-220610314-V4

Product: AR(TU) Series of Remote Terminal Units
Applicant: Acrel Co., Ltd. No.253, Yuhi Road, Jiading District, Shanghai, China
Manufacturer: Jiangsu Acrel Electrical Manufacturing Co., Ltd. No.5, Dongmeng Road, Nanzha Street, Jiangyin City, Jiangsu Province, China

Type / Models: ARTU, ARTU100, ARTU-K08, ARTU-K08, ARTU-K16, ARTU-K32, ARTU-J16, ARTU-P8, ARTU-P16, ARTU-P32, ARTU-W-32, ARTU100-P, AR-U-P20-LN8*, ARTU100-K32* (* can be CE, MA5H, MK16, MJ16, MK4/16, MPOW)

Trademark / Brand: Acrel
Description / Technical Specification: 85V~265VAC, 50Hz, 15VA.
EU Directive: 2014/30/EU
Relevant Standard(s) / Specification(s): EN 61326-1:2013
EN IEC 61000-3-2:2019
EN 61000-3-3:2013+A1:2019
Test Report: 78251EC20002601
Comments: None

According to the above stated test report(s), the sample(s) of the above product have been found to comply with the applicable requirements of the mentioned standard(s) at the time the tests were carried out. The applicant may use the test report and this Verification of Conformity in connection with his declaration of conformity referring the respective EU Directive(s) and Annex.

This Verification of Conformity has been granted to the applicant based on the results of testing performed by the applicant / manufacturer or an approved laboratory and the consequent review of the test report by TÜV AUSTRIA (SHANGHAI) CO., LTD. Therefore, it does not imply any assessment of the instruction manual, product or the production process of this product by TÜV AUSTRIA. Revisions to the referenced certification basis or any change of the design, materials, components or processing may require the repetition of all or some of the qualification tests in order for the test report and therefore this associated Verification of Conformity to remain valid. This Verification by itself does not imply that the material, product, or service is or has ever been under a TÜV AUSTRIA certification program.

2022-06-12
Date of Issue

CE Mark may only be affixed to this product after fulfillment o f all applicable EU directives for this product and the preparation of the necessary technical documentation as well as the conformity declaration by the manufacturer.

The validity of certificate (Max.5 years from the date of issue) may be limited due to update of the directive or standards and/or changes in products. TÜV AUSTRIA's responsibility and liability are limited to the terms and conditions of the agreement. TÜV AUSTRIA assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification.

TÜV AUSTRIA (SHANGHAI) CO., LTD.
Room 120, Orient Century Building, No.345 Xian Xia Road, Shanghai, P.R. China 200336
P.R. China
e-mail: office@tv-austria.com
TASH-VOC-P01, Rev.00

■ AM series middle voltage protection relay

CE of AM5 series

TÜV AUSTRIA (SHANGHAI) CO., LTD.

VERIFICATION OF CONFORMITY

Verification - No.: TASH-220410341-V1

Product: Feeder Line Protection measuring control device
Applicant: Acrel Co., Ltd. No.253, Yuhi Road, Jiading District, Shanghai, China
Manufacturer: Jiangsu Acrel Electrical Manufacturing Co., Ltd. No.5, Dongmeng Road, Nanzha Street, Jiangyin City, Jiangsu Province, China

Type / Models: AM5-F, AM5-T, AM5-M, AM5-U1, AM5-C, AM5-B, AM5-DB, AM5SE-F, AM5SE-T, AM5SE-M, AM5SE-B, AM5SE-C, AM5SE-D2, AM5SE-TB, AM5SE-UB, AM5SE-MD, AM5SE-D3, AM5SE-K, AM4-U1, AM4-I, AM5SE-U, AM5SE1, AM2SE-V, AM2SE-H

Trademark / Brand: Acrel
Description / Technical Specification: Control power supply: AC/DC 220-240V
Rated voltage: 100V,
Rated current: 5A
EU Directive: 2014/35/EU
Relevant Standard(s) / Specification(s): EN IEC 61326-1: 2021
EN IEC 61000-3-2: 2019
EN 61000-3-3: 2013+A1: 2019
Test Report: 79251EC20002501
Comments: None

According to the above stated test report(s), the sample(s) of the above product have been found to comply with the applicable requirements of the mentioned standard(s) at the time the tests were carried out. The applicant may use the test report and this Verification of Conformity in connection with his declaration of conformity referring the respective EU Directive(s) and Annex.

This Verification of Conformity has been granted to the applicant based on the results of testing performed by the applicant / manufacturer or an approved laboratory and the consequent rev iew of the test report by TÜV AUSTRIA (SHANGHAI) CO., LTD. Therefore, it does not imply any assessment of the instruction manual, product or the production process of this product by TÜV AUSTRIA. Revisions to the referenced certification basis or any change of the design, materials, components or processing may require the repetition of all or some of the qualification tests in order for the test report and therefore this associated Verification of Conformity to remain valid. This Ver ification by itself does not imply that the material, product, or service is or has ever been under a TÜV AUSTRIA certification program.

2022-05-12
Date of Issue
Ivan Huang

CE Mark may only be affixed to this product after fulfillment o f all applicable EU directives for this product and the preparation of the necessary technical documentation as well as the conformity declaration by the manufacturer.

The validity of certificate (Max.5 years from the date of issue) may be limited due to update of the directive or standards and/or changes in products. TÜV AUSTRIA's responsibility and liability are limited to the terms and conditions of the agreement. TÜV AUSTRIA assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification.

TÜV AUSTRIA (SHANGHAI) CO., LTD.
Room 120, Orient Century Building, No.345 Xian Xia Road, Shanghai, P.R. China 200336
P.R. China
e-mail: office@tv-austria.com
TASH-VOC-P01, Rev.00

TÜV AUSTRIA (SHANGHAI) CO., LTD.

VERIFICATION OF CONFORMITY

Verification - No.: TASH-220410342-V1

Product: Feeder Line Protection measuring control device
Applicant: Acrel Co., Ltd. No.253, Yuhi Road, Jiading District, Shanghai, China
Manufacturer: Jiangsu Acrel Electrical Manufacturing Co., Ltd. No.5, Dongmeng Road, Nanzha Street, Jiangyin City, Jiangsu Province, China

Type / Models: AM5-F, AM5-T, AM5-M, AM5-U1, AM5-C, AM5-B, AM5-DB, AM5SE-F, AM5SE-T, AM5SE-M, AM5SE-B, AM5SE-C, AM5SE-D2, AM5SE-TB, AM5SE-UB, AM5SE-MD, AM5SE-D3, AM5SE-K, AM4-U1, AM4-I, AM5SE-U, AM3SE1, AM2SE-V, AM2SE-H

Trademark / Brand: Acrel
Description / Technical Specification: Control power supply: AC/DC 220-240V
Rated voltage: 100V/Rated current: 5A
EU Directive: 2014/35/EU
Relevant Standard(s) / Specification(s): EN 61010-1:2010+A1:2019
EN60255-27:2014
Test Report: 162305C20012901
Comments: None

According to the above stated test report(s), the sample(s) of the above product have been found to comply with the applicable requirements of the mentioned standard(s) at the time the tests were carried out. The applicant may use the test report and this Verification of Conformity in connection with his declaration of conformity referring the respective EU Directive(s) and Annex.

This Verification of Conformity has been granted to the applicant based on the results of testing performed by the applicant / manufacturer or an approved laboratory and the consequent rev iew of the test report by TÜV AUSTRIA (SHANGHAI) CO., LTD. Therefore, it does not imply any assessment of the instruction manual, product or the production process of this product by TÜV AUSTRIA. Revisions to the referenced certification basis or any change of the design, materials, components or processing may require the repetition of all or some of the qualification tests in order for the test report and therefore this associated Verification of Conformity to remain valid. This Ver ification by itself does not imply that the material, product, or service is or has ever been under a TÜV AUSTRIA certification program.

2022-05-12
Date of Issue
Ivan Huang

CE Mark may only be affixed to this product after fulfillment o f all applicable EU directives for this product and the preparation of the necessary technical documentation as well as the conformity declaration by the manufacturer.

The validity of certificate (Max.5 years from the date of issue) may be limited due to update of the directive or standards and/or changes in products. TÜV AUSTRIA's responsibility and liability are limited to the terms and conditions of the agreement. TÜV AUSTRIA assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Verification.

TÜV AUSTRIA (SHANGHAI) CO., LTD.
Room 120, Orient Century Building, No.345 Xian Xia Road, Shanghai, P.R. China 200336
P.R. China
e-mail: office@tv-austria.com
TASH-VOC-P01, Rev.00

2.3 Energy Management

APM Series Network Power Meter

CE of APM800 series

Certificate of Compliance

No. IN171228.AQ022

Certificate's Holder: Acrel Co., Ltd. No. 253, Yulv Road, Jiading District, Shanghai China

Manufacturer: Jiangsu Acrel Electric MFG. Co., Ltd. No.5, Dongmeng Road, Nanzhu Street, Jiangyin City Jiangsu Province

Certification ECM Mark:

Product: APM Series Network Multi-Functional Power Meters

Model(s): APM800, APM810, APM801

Verification to: Standard: EN 61557-1:2007, EN 61557-12:2008, EN 61000-6-1:2007, EN 61000-6-3:2007/A1:2011/AC:2012

related to CE Directive(s): 2014/35/EU (Low Voltage) 2014/30/EU (Electromagnetic Compatibility)

Remark: The product(s) has been verified on a voluntary basis. The product(s) satisfies the requirements of the Certification Mark of CDN, in reference to the above listed Standard(s). The above Compliance Mark can be affixed on this product(s) accordingly to the EU regulation about its release and its use. The regulation can be found at www.eur-lex.europa.eu. This Certificate of Compliance can be checked for validity at www.ecmcerts.it

This verification doesn't imply assessment of the production of the product(s).

Additional information, clarification about the CE marking

CE We state that a TCF for the CE marking process is in place. Whereas the manufacturer is responsible to start the CE marking Certification Procedure and to perform all the necessary activities, as required by the Directive before placing the CE mark on the product(s).

Date of issue 28 December 2017 — Expiry date 27 December 2022

Chief Manager — Deputy Manager

Ente Certificazione Macchine Srl

CE of ADL10-E/ADL100-ET/ADL100-EY/ADL200/ADL400

CELAB® Via Maire snc 64100 Latina Italy celab@celab.com

celab

CERTIFICATE

Certificate Number UCN: 8026415271W6
Job: ABH46
Date of Issue: 2020-01-20
Certificate valid up to: 2026-01-19

Brand Name: Acrel
Type: ADL
Model N: ADL400, ADL400-C, ADL400-F, ADL400-H

Manufacturer: Acrel Co., Ltd.
Address: No.253, Yulv Road, Jiading District, Shanghai, China

Standard Used: EN 61326-1:2013, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 61010-1:2010

Conclusion:
After inspection of the technical documentation issued by the customer, and in the document, we express our opinion that the product meets the technical requirement of the following directives and standards:
2014/30/EU Electromagnetic compatibility (EMC) 2014/35/EU Low Voltage (LVD)

This approval is only valid for the directive, the equipment and configuration described, in conjunction with the test data detailed above and with compliance with all applicable legal requirement for the product.
The following manufacturer documents are required:

Presence of Declaration of conformity (EU)	✓ OK
Presence of test report using standards as indicated in the declaration of conformity	✓ OK
Test report no/date n. 32242-20-10/20EL41BANC, ISO/IEC17025:2005 (VP)	
Presence of CE symbol on the product label	✓ OK
Presence of instruction manual	✓ OK
Use of valid Harmonized standard in the declaration of conformity	✓ OK
Presence of product description in the technical construction file	✓ OK

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Check the authenticity of this certificate and related information before use in the web site www.celab.com introducing the UCN number in the "Check document authenticity" area. You will see copy of this certificate and regulations on certificate use. This document is released only for scope allowed by law. Do not use this document without full understanding of regulation.

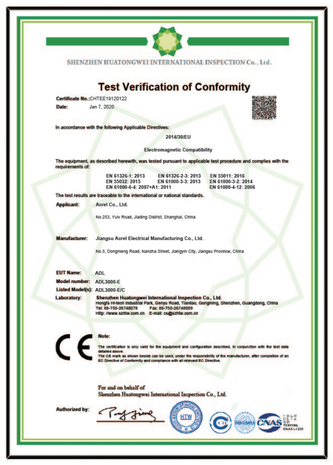
Massimiliano Bertoldi
General Manager – CELAB
www.celab.com

www.celab.com

Doc 121 Voluntary Certificate rev 3.32

ADL Series Din Rail Energy Meter

CE of ADL3000-E/ADL3000


SHENZHEN HUATONGWEI INTERNATIONAL INSPECTION Co., Ltd.

Test Verification of Conformity

Certificate No. CHTSE19120122
Date: Jan 7, 2020

In accordance with the following Applicable Directives:
2014/30/EU
Electromagnetic Compatibility

The equipment, as described herewith, was tested pursuant to applicable test procedure and complies with the requirements of:
EN 61326-1: 2013 EN 61326-2-3: 2013 EN 50011: 2010
EN 55022: 2010 EN 61000-3-3: 2013 EN 61000-3-2: 2014
EN 61000-4-4: 2007/A1: 2011 EN 61000-4-12: 2006

The test results are traceable to the international or national standards.

Applicant: Acrel Co., Ltd.
No.253, Yulv Road, Jiading District, Shanghai, China

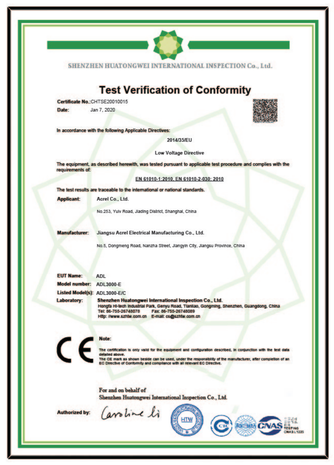
Manufacturer: Jiangsu Acrel Electrical Manufacturing Co., Ltd.
No.5, Dongmeng Road, Nanzhu Street, Jiangyin City, Jiangsu Province, China

EUT Name: ADL
Model number: ADL3000-E
Listed Model(s): ADL3000-E/C
Laboratory: Shenzhen Huatongwei International Inspection Co., Ltd.
Hongjin hi-tech Industrial Park, Gongyu Road, Tianliao, Gongming, Shenzhen, Guangdong, China
Tel: 86-755-26748076 Fax: 86-755-26748089
Http: www.szhtw.com.cn E-mail: cs@szhtw.com.cn

Note:
The certification is only valid for the equipment and configuration described, in conjunction with the test data detailed above.
The CE mark as shown beside can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directive.

For and on behalf of
Shenzhen Huatongwei International Inspection Co., Ltd.

Authorized by:


SHENZHEN HUATONGWEI INTERNATIONAL INSPECTION Co., Ltd.

Test Verification of Conformity

Certificate No. CHTSE20010015
Date: Jan 7, 2020

In accordance with the following Applicable Directives:
2014/35/EU
Low Voltage Directive

The equipment, as described herewith, was tested pursuant to applicable test procedure and complies with the requirements of:
EN 61010-1:2010, EN 61010-2-030: 2010

The test results are traceable to the international or national standards.

Applicant: Acrel Co., Ltd.
No.253, Yulv Road, Jiading District, Shanghai, China

Manufacturer: Jiangsu Acrel Electrical Manufacturing Co., Ltd.
No.5, Dongmeng Road, Nanzhu Street, Jiangyin City, Jiangsu Province, China

EUT Name: ADL
Model number: ADL3000-E
Listed Model(s): ADL3000-E/C
Laboratory: Shenzhen Huatongwei International Inspection Co., Ltd.
Hongjin hi-tech Industrial Park, Gongyu Road, Tianliao, Gongming, Shenzhen, Guangdong, China
Tel: 86-755-26748076 Fax: 86-755-26748089
Http: www.szhtw.com.cn E-mail: cs@szhtw.com.cn

Note:
The certification is only valid for the equipment and configuration described, in conjunction with the test data detailed above.
The CE mark as shown beside can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directive.

For and on behalf of
Shenzhen Huatongwei International Inspection Co., Ltd.

Authorized by:

CE of DDS1352/DDSD1352/ADL10-E/ADL100-ET/ADL100-EY

Certificate of Compliance

No. IN171228.AQ023

Certificate's Holder: Acrel Co., Ltd. No. 253, Yulv Road, Jiading District, Shanghai China

Manufacturer: Jiangsu Acrel Electric MFG. Co., Ltd. No.5, Dongmeng Road, Nanzhu Street, Jiangyin City, Jiangsu Province

Certification ECM Mark:

Product: Single-Phase Electronic Meter

Model(s): DDS1352, DDSD1352, DDSY1352, ADL10-E, ADL100-ET, ADL100-EY

Verification to: Standard: EN 60950-1:2006/A2:2013, EN 61000-6-1:2007, EN 61000-6-3:2007/A1:2011/AC:2012

related to CE Directive(s): 2014/35/EU (Low Voltage) 2014/30/EU (Electromagnetic Compatibility)

Remark: The product(s) has been verified on a voluntary basis. The product(s) satisfies the requirements of the Certification Mark of CDN, in reference to the above listed Standard(s). The above Compliance Mark can be affixed on this product(s) accordingly to the EU regulation about its release and its use. The regulation can be found at www.eur-lex.europa.eu. This Certificate of Compliance can be checked for validity at www.ecmcerts.it

This verification doesn't imply assessment of the production of the product(s).

Additional information, clarification about the CE marking

CE We state that a TCF for the CE marking process is in place. Whereas the manufacturer is responsible to start the CE marking Certification Procedure and to perform all the necessary activities, as required by the Directive before placing the CE mark on the product(s).

Date of issue 28 December 2017 — Expiry date 27 December 2022

Chief Manager — Deputy Manager

Ente Certificazione Macchine Srl

2.3 Energy Management

MID of ADL200/ADL400

SGS

EU Type Examination Certificate Number: 0120/SGS0486

Jiangsu Acrel Electrical Manufacturing Co. Ltd

No.5, Dongmeng Road
Nanzha
Jiangyin
Jiangsu
China

Instrument Identification:
ADL 200
Single Phase, Active Import/Export kWh, Electricity Meter

Instrument Traceable number:
0120/SGS0486

has been assessed and certified as meeting the requirements of

EU Directive 2014/32/EU
on Measuring Instruments Annex II, Module B

It is certified that the manufacturer's technical design and specimen for the above instrument has been examined and, based on the evidence submitted, it is considered that the instrument continues to fit the requirements of Annex II of EU Directive 2014/32/EU

This certificate must be used in conjunction with a certificate covering the product verification as required in Annex II, Module D or Annex II, Module F

This certificate is valid for 10 years from 22nd July 2021 until 21st July 2031
Issue 1

Certification is based on report number(s):
SHES12120050301 dated 22nd July 2021
EMM2014461/TR0579 dated 20th June 2021, EMM2014461

Authorised Signature

Tom Töns

SGS Fimko Oy, Karvamäntie 7B
Takomo B, FI-02130 Espoo, Finland
T +358 20 771 2000 F +358 20 771 2001 www.sgs.fi

Page 1 of 2
EU Type Examination Certificate

AEM96

SGS

EU Type Examination Certificate Number: 0120/SGS0487

Jiangsu Acrel Electrical Manufacturing Co. Ltd

No.5, Dongmeng Road
Nanzha
Jiangyin
Jiangsu
China

Instrument Identification:
ADL 400
Polyphase, Active Import/Export kWh, Electricity Meter

Instrument Traceable Number:
0120/SGS0487

has been assessed and certified as meeting the requirements of

EU Directive 2014/32/EU
on Measuring Instruments Annex II, Module B

It is certified that the manufacturer's technical design and specimen for the above instrument has been examined and, based on the evidence submitted, it is considered that the instrument continues to fit the requirements of Annex II of EU Directive 2014/32/EU

This certificate must be used in conjunction with a certificate covering the product verification as required in Annex II, Module D or Annex II, Module F

This certificate is valid for 10 years from 8th September 2021 until 8th September 2031
Issue 1

Certification is based on report number(s):
SHES12120050302 20th August 2021
EMM2014461/TR0579 dated 20th August 2021, EMM2014461

Authorised Signature

Tom Töns

SGS Fimko Oy, Karvamäntie 7B
Takomo B, FI-02130 Espoo, Finland
T +358 20 771 2000 F +358 20 771 2001 www.sgs.fi

Page 1 of 2
EU Type Examination Certificate

CE of DTSD1352/ADL3000-E/ADL300-EY

Certificate of Compliance

ECM

No. 1N171228.A/2024

Certificate's Holder: Acrel Co., Ltd.
No. 253, Yulv Road, Jiading District, Shanghai China

Manufacturer: Jiangsu Acrel Electric MFG. Co., Ltd.
No.5, Dongmeng Road, Nanzha Street, Jiangyin City, Jiangsu Province

Certification ECM Mark:

Product: Three-Phase Electronic Meter
Model(s): DTSD1352, DTSY1352, ADL3000-E, ADL300-EY

Verification to: Standard:
EN 60950-1:2006/A2:2013, EN 61000-6-1:2007,
EN 61000-6-3:2007/A1:2011/AC:2012,
EN 61000-3-12:2011, EN 61000-3-3:2013

related to CE Directive(s):
2014/35/EU (Low Voltage)
2014/30/EU (Electromagnetic Compatibility)

Remark: The product(s) has been verified on a voluntary basis. The product(s) satisfies the requirements of the Certification Mark of ECM, in reference to the above listed Standard(s). The above Compliance Mark can be affixed on the product(s) accordingly to the ECM regulation about its release and its use. The regulation can be found at www.ecmcomm.it. The Certificate of Compliance can be checked for validity at www.ecmcomm.it.
This verification doesn't imply a assessment of the production of the product(s).
Additional information, clarification about the CE marking:
The actual that is a CE for the CE marking process is in place. Whereas the manufacturer is responsible to start the CE marking application procedure and to perform all the necessary activities, as required by the Directive before placing the CE mark on the product(s).

Date of issue 28 December 2017 — Expiry date 27 December 2022

Chief Manager Andrea Martini — Deputy Manager Armando Rome

Certificate – Сертифікат – Certificat – 증명서 – شهادة

Bria Certificazione Neocitive Srl
Via Col Bella, 245 - loc. Castello di Serravalle - 40053 Valsamoggia (BO) - "ITALY"
T +39 051 6705141 - F +39 051 6705113 info@briacertificazione.it www.briacertificazione.it

CE of AEM96

UDEM

CERTIFICATE

ATTESTATION CERTIFICATE
OF ELECTROMAGNETIC
COMPATIBILITY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been observed and audit has been completed successfully.
2014/30/EU Electromagnetic Compatibility Directive and
2014/35/EU Low Voltage Directives have been taken as references for these processes

Company Name : Acrel Co., Ltd.

Company Address : No.253, Yulv Road, Jiading District, Shanghai, China

Manufacturer Name : Jiangsu Acrel Electric MFG Co., Ltd.

Manufacturer Address : No.5, Dongmeng Road, Nanzha Street, Jiangyin City, Jiangsu Province, China

Related Directives and Annex : 2014/35/EU Low Voltage Directive
2014/30/EU Electromagnetic Compatibility Directive

Related Standards : EN 62368-1:2014+A11:2017, EN 61000-3-12:2011
EN 61000-3-3:2013, EN 61000-6-1:2007
EN 61000-6-3:2007/A1:2011/AC:2012

Product Name : Three-Phase Four-Wire Multi-Function Electric Meter (IV Electric Energy Efficiency Monitoring Terminal)

Report No and Date : X2018090601/UDEMC

Product Brand/Model/Type : Acrel/AEM96,AEM96-E4/KC,AEM96-E4,AEM96-E4/C

Certificate Number : M.2018.201.N0761
Initial Assessment Date : 07.09.2018
Registration Date : 10.09.2018
Reissue Date/No : -
Expiry Date : 09.09.2023

The validity of the certificate can be checked through www.udem.tr. The CE mark shown on the right side of this certificate is in accordance with the CE marking directive. The CE mark can be affixed only on the products covered by the attached Directives. This certificate remains the property of UDEM International - Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be returned upon request. The above mentioned product(s) is/are manufactured in accordance with the technical file/s which has/have been subject to the inspection/s, observations and UDEM - must be informed in case of any changes in the product(s).

Address : Mustafa Kemal Mah. 2075 Sokak (Eski 93 Sokak) No:10 Çankaya – Ankara – TURKEY
Phone : +90 (312) 440 50 90 Fax : +90 (312) 440 55 76
E-mail : info@udemcertificate.tr www.udem.com.tr

UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co.

CE

UDEM

2.3 Energy Management

CE of ADF400L

TÜV AUSTRIA CERT GMBH
Certification Body

CERTIFICATE OF CONFORMITY

Certificate - No.: TA 38521/3077

Product: ADF
Applicant: Acrel Co., Ltd.
No.253, Yuki Road, Jiading District, Shanghai, China
Manufacturer: Jiangsu Acrel Electrical Manufacturing Co., Ltd.
No.5, Dongxing Road, Nanzha Street, Jiangyin City, Jiangsu Province, China

Type / Models / Trademark: ADF400L
ADF400L-2H(5X)-, -ADF400L-2H(150X)(Y)-, -ADF400L-4H2S(6E(Y)-,
ADF400L-4H(2S)(x)(Y)-, -ADF400L-4H(1S)(1X)(Y)-,
ADF400L-1H(65)(1H3)(Y)-, -ADF400L-1H(1S)(1M3)(Y)-,
ADF400L-1S(2S)(2X)(Y)-, -ADF400L-1S(2S)(2Y)-, -ADF400L-1S(1S)(Y)-,
ADF400L-1S(1S)(3)(Y)-, -ADF400L-1H(1S)(3)(Y)-, -ADF400L-1S(5)(Y)-

Description / Technical Specification: Power: AC/DC85-265V
Measuring Voltage input: 3x(57/400V 1x57.7/100V,3x100/400V,
Measuring Current input: 3x(1/1)A(3x5)5A,3x1/5)3A

EU directive: 2014/35/EU

Standard(s) / Product - Certification Basis: EN 61326-1:2013
Certification Basis: LN. IEC61000-3-2:2014
EN 61000-3-3:2013+A1:2019

Test Report: 15/0KF/21000166/01

Comments: N/A

According to the above stated test report(s) the specified product complies with the applicable requirements of the mentioned standard(s). The applicant may use the test report and this Certificate of Conformity in connection with his declaration of conformity referring the respective EU Directive(s) and Annex.
This Certificate of Conformity has been granted to the applicant based on the results of testing performed by the applicant/manufacturer or an approved laboratory and the subsequent review of the test report by TÜV AUSTRIA CERT GMBH. Therefore, it does not imply any assessment of the underlyer manufacturer or the production process of this product by TÜV AUSTRIA. Revisions to the referenced certification basis or any change of the design, materials, components or processes, may require the application of all or some of the certification tests in order for the test report and therefore this associated certificate to remain valid. Furthermore this General Conditions for a Certificate of Conformity on a national or international Standard concerning a specified product are valid.

2021-04-23
Date of issue
Ivan Huang, Certification representative

CE Mark may only be affixed to this product after fulfilment of all applicable EU directives for this product and the production of the necessary technical documentation as set forth in the Annex I directive by the manufacturer.

The validity of this certificate (Item 3 years from the date of issue) can be checked on the TÜV AUSTRIA Homepage.
Any alteration or duplication of this document in parts is subject to approval by TÜV AUSTRIA CERT GMBH.
The holder of this document is advised that it does not affect a limited liability under but in the information contained herein reflects the certification body's knowledge at the date of issue and within the limits of the applicable conditions, if any.

TÜV AUSTRIA CERT GMBH
TÜV AUSTRIA-Platz 1, 2700 Wiener Neustadt
www.tuv.at
e-mail: certcert@tuv.at
DE-18-CC-CERT-03-01, Rev.00

F0203-02-1

IEC of ADL3000-E/ADL3000

TÜV AUSTRIA CERT GMBH
Certification Body

CERTIFICATE OF CONFORMITY

Certificate - No.: TA 38519/3036

Product: ADL
Applicant: Acrel Co., Ltd.
No.253, Yuki Road, Jiading District, Shanghai, China
Manufacturer: Jiangsu Acrel Electrical MFG. Co., Ltd.
No.5, Dongxing Road, Nanzha Street, Jiangyin City, Jiangsu Province, China

Type / Models / Trademark: ADL3000-E, ADL3000

Description / Technical Specification: ADL3000-E: AC 3x220/380V 3x100/5A 3-phase-4w Class 0.5S
ADL3000-E: AC 3x57.7/100V 3x1.5A 3-phase-4wire Class 0.5S
ADL3000: AC 3x220/380V 3x40/5A 3-phase-4wire Class 0.5S
ADL3000: AC 3x57.7/100V 3x1.5A 3-phase-4wire Class 0.5S

Standard(s) / Product - Certification Basis: IEC 62053-21:2003
IEC 61010-2-030:2003

Test Report: T2319 43656

Comments: N/A

According to the above stated test report(s) the specified product complies with the applicable requirements of the mentioned standards. The applicant may use the test report and this Certificate of Conformity in connection with his declaration of conformity referring the respective EU Directive(s) and Annex.
This Certificate of Conformity has been granted to the applicant based on the results of testing performed by the applicant/manufacturer or an approved laboratory and the subsequent review of the test report by TÜV AUSTRIA CERT GMBH. Therefore, it does not imply any assessment of the underlyer manufacturer or the production process of this product by TÜV AUSTRIA. Revisions to the referenced certification basis or any change of the design, materials, components or processes, may require the application of all or some of the certification tests in order for the test report and therefore this associated certificate to remain valid. Furthermore this General Conditions for a Certificate of Conformity on a national or international Standard concerning a specified product are valid.

2019-12-11
Date of issue
Min Huang, Certification representative

The validity of this certificate (Item 3 years from the date of issue) can be checked on the TÜV AUSTRIA Homepage.
Any alteration or duplication of this document in parts is subject to approval by TÜV AUSTRIA CERT GMBH.
The holder of this document is advised that it does not affect a limited liability under but in the information contained herein reflects the certification body's knowledge at the date of issue and within the limits of the applicable conditions, if any.

TÜV AUSTRIA CERT GMBH
TÜV AUSTRIA-Platz 1, 2700 Wiener Neustadt
www.tuv.at
e-mail: certcert@tuv.at
DE-18-CC-CERT-03-01, Rev.00

F0203-02-1

EAC of ADL10-E/ADL100-ET/ADL100-EY/ADL200/ADL400

TÜV AUSTRIA CERT GMBH
Certification Body

CERTIFICATE OF CONFORMITY

Certificate - No.: TA 38521/3075

Product: ADF
Applicant: Acrel Co., Ltd.
No.253, Yuki Road, Jiading District, Shanghai, China
Manufacturer: Jiangsu Acrel Electrical Manufacturing Co., Ltd.
No.5, Dongxing Road, Nanzha Street, Jiangyin City, Jiangsu Province, China

Type / Models / Trademark: ADF400L
ADF400L-2H(5X)-, ADF400L-2H(150X)(Y)-, ADF400L-4H2S(6E(Y)-,
ADF400L-4H(2S)(x)(Y)-, ADF400L-4H(1S)(1X)(Y)-,
ADF400L-1H(65)(1H3)(Y)-, ADF400L-1H(1S)(1M3)(Y)-,
ADF400L-1S(2S)(2X)(Y)-, ADF400L-1S(2S)(2Y)-, ADF400L-1S(1S)(Y)-,
ADF400L-1S(1S)(3)(Y)-, ADF400L-1H(1S)(3)(Y)-, ADF400L-1S(5)(Y)-

Description / Technical Specification: Power: AC/DC85-265V
Measuring Voltage input: 3x(3W/100V,3x57.7/100V,3x380/400V,
Measuring Current input: 3x(1/1)A(3x5)5A,3x1/5)3A

EU directive: 2014/35/EU

Standard(s) / Product - Certification Basis: EN 61010-1:2010+A1:2019

Test Report: 15/0KF/21000166/01

Comments: N/A

According to the above stated test report(s) the specified product complies with the applicable requirements of the mentioned standard(s). The applicant may use the test report and this Certificate of Conformity in connection with his declaration of conformity referring the respective EU Directive(s) and Annex.
This Certificate of Conformity has been granted to the applicant based on the results of testing performed by the applicant/manufacturer or an approved laboratory and the subsequent review of the test report by TÜV AUSTRIA CERT GMBH. Therefore, it does not imply any assessment of the underlyer manufacturer or the production process of this product by TÜV AUSTRIA. Revisions to the referenced certification basis or any change of the design, materials, components or processes, may require the application of all or some of the certification tests in order for the test report and therefore this associated certificate to remain valid. Furthermore this General Conditions for a Certificate of Conformity on a national or international Standard concerning a specified product are valid.

2021-04-23
Date of issue
Ivan Huang, Certification representative

CE Mark may only be affixed to this product after fulfilment of all applicable EU directives for this product and the production of the necessary technical documentation as set forth in the Annex I directive by the manufacturer.

The validity of this certificate (Item 3 years from the date of issue) can be checked on the TÜV AUSTRIA Homepage.
Any alteration or duplication of this document in parts is subject to approval by TÜV AUSTRIA CERT GMBH.
The holder of this document is advised that it does not affect a limited liability under but in the information contained herein reflects the certification body's knowledge at the date of issue and within the limits of the applicable conditions, if any.

TÜV AUSTRIA CERT GMBH
TÜV AUSTRIA-Platz 1, 2700 Wiener Neustadt
www.tuv.at
e-mail: certcert@tuv.at
DE-18-CC-CERT-03-01, Rev.00

F0203-02-1

ЕВРАЗИЙСКИЙ ЭКОНОМИЧЕСКИЙ СОЮЗ
ДЕКЛАРАЦИЯ О СООТВЕТСТВИИ

ЕАС

Заявитель Индивидуальный предприниматель Солдатов Виктор Германович

Место жительства и адрес места осуществления деятельности: Российская Федерация, Москва, 129164, проспект Мира, дом 120, квартира 99, основной государственный регистрационный номер индивидуального предпринимателя: 318774600499804, номер телефона: +79154757389, адрес электронной почты: Cv135@mail.ru

в лице

заявителя, что Приборы измерительные лабораторные: измеритель мощности, торговая марка "ADL", модели: ADL10-E, ADL100-ET, ADL200, ADL3000-E, ADL400

изготовителя "Jiangsu Acrel Electrical Manufacturing Co., Ltd.". Место нахождения и адрес места осуществления деятельности по изготовлению продукции: No.5, Dongxing Road, Nanzha Street, Jiangyin City, Jiangsu Province, Китай.

Код ТН ВЭД ЕАЭС 9028300000. Серийный выпуск

соответствует требованиям

ТР ТС 004/2011 "О безопасности низковольтного оборудования", ТР ТС 020/2011 "Электромагнитная совместимость технических средств"

Декларация о соответствии принята на основании

Протокола испытаний № УВ00379-2019/12 ИЗМЕРИТ. от 09.12.2019 года, выданного Испытательной лабораторией ООО "ВОЛГА-ИСТ", аттестат аккредитации РОСС RU.31532.ИЗ02. Протокола испытаний № УТ00380-2019/12 ИЗМЕРИТ. от 09.12.2019 года, выданного Испытательной лабораторией ООО "ВОЛГА-ИСТ", аттестат аккредитации РОСС RU.31532.ИЗ02.

Схема декларирования 1д.

Дополнительная информация

ГОСТ 12.2.007.0-75 "Система стандартов безопасности труда. Изделия электротехнические. Общие требования безопасности"; ГОСТ 30804.3.2-2013 (IEC 61000-3-2:2009) «Совместимость технических средств электромагнитная. Эмиссия гармонических составляющих тока техническими средствами с потребляемым током не более 16 А (в одной фазе). Нормы и методы испытаний», разделы 5 и 7; ГОСТ 30804.3.3-2013 (IEC 61000-3-3:2008) «Совместимость технических средств электромагнитная. Ограничение изменений напряжения, колебаний напряжения и фликера в низковольтных системах электроснабжения общего назначения. Технические средства с потребляемым током не более 16 А (в одной фазе), подключаемые к электрической сети при необусловленном определенных условий подключения. Нормы и методы испытаний», раздел 5. Условия и сроки хранения стандартов при нормальных значениях климатических факторов внешней среды. Срок службы (выдержка) указан в эксплуатационной документации.

Декларация о соответствии действительна с даты регистрации по 16.12.2024 включительно

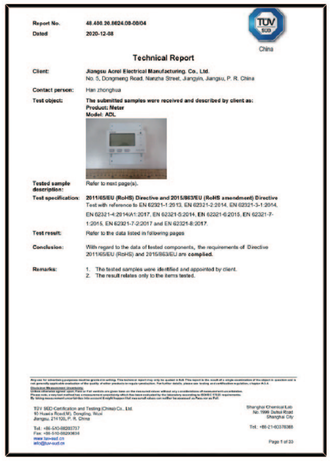
М.П.
СОЛДАТОВ Виктор Германович
Солдатов Виктор Германович

Регистрационный номер декларации о соответствии: ЕАЭС N RU Д-CN.ПВ27.В.01187/19

Дата регистрации декларации о соответствии: 17.12.2019

2.3 Energy Management

RoHS of ADL series



Technical Report

Client: Jiangsu Acrel Electrical Manufacturing, Co., Ltd.
No. 5, Dongmeng Road, Nanzhe Street, Jiangyin, Jiangsu, P. R. China

Contact person: Han zhonghua

Test object: The submitted samples were received and described by client as:
Product: Meter
Model: ADL

Tested sample description: Refer to next page(s).

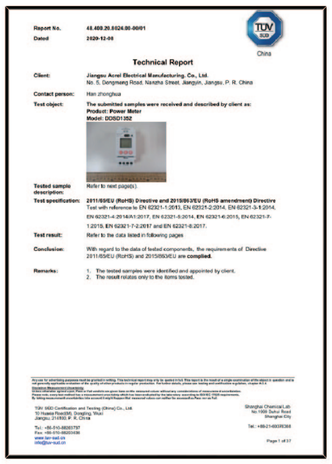
Test specification: 2011/65/EU (RoHS) Directive and 2015/863/EU (RoHS amendment) Directive
Test with reference to EN 62321-1:2013, EN 62321-2:2014, EN 62321-3-1:2014, EN 62321-4:2014/A1:2017, EN 62321-5:2014, EN 62321-6:2015, EN 62321-7-1:2015, EN 62321-7-2:2017 and EN 62321-8:2017.

Test result: Refer to the data listed in following pages

Conclusion: With regard to the data of tested components, the requirements of Directive 2011/65/EU (RoHS) and 2015/863/EU are **complied**.

Remarks: 1. The tested samples were identified and appointed by client.
2. The result relates only to the items tested.

RoHS of DDS1352/DDSD1352/ADL10-E/ADL100-ET/ADL100-EY



Technical Report

Client: Jiangsu Acrel Electrical Manufacturing, Co., Ltd.
No. 5, Dongmeng Road, Nanzhe Street, Jiangyin, Jiangsu, P. R. China

Contact person: Han zhonghua

Test object: The submitted samples were received and described by client as:
Product: Power Meter
Model: DDSD1352

Tested sample description: Refer to next page(s).

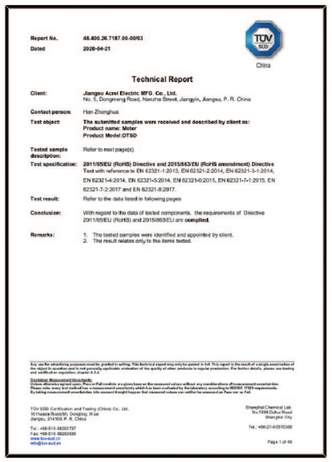
Test specification: 2011/65/EU (RoHS) Directive and 2015/863/EU (RoHS amendment) Directive
Test with reference to EN 62321-1:2013, EN 62321-2:2014, EN 62321-3-1:2014, EN 62321-4:2014/A1:2017, EN 62321-5:2014, EN 62321-6:2015, EN 62321-7-1:2015, EN 62321-7-2:2017 and EN 62321-8:2017.

Test result: Refer to the data listed in following pages

Conclusion: With regard to the data of tested components, the requirements of Directive 2011/65/EU (RoHS) and 2015/863/EU are **complied**.

Remarks: 1. The tested samples were identified and appointed by client.
2. The result relates only to the items tested.

RoHS of DTSD1352/ADL3000-E/ADL300-EY



Technical Report

Client: Jiangsu Acrel Electric MFG. Co., Ltd.
No. 5, Dongmeng Road, Nanzhe Street, Jiangyin, Jiangsu, P. R. China

Contact person: Han Zhonghua

Test object: The submitted samples were received and described by client as:
Product name: Meter
Product Model:DTSD

Tested sample description: Refer to next page(s).

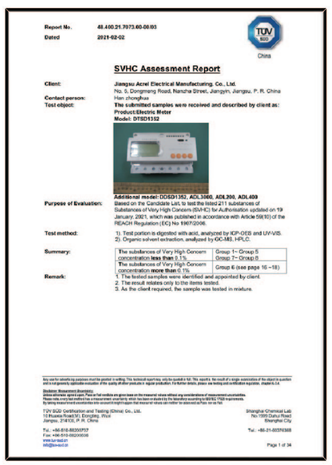
Test specification: 2011/65/EU (RoHS) Directive and 2015/863/EU (RoHS amendment) Directive
Test with reference to EN 62321-1:2013, EN 62321-2:2014, EN 62321-3-1:2014, EN 62321-4:2014, EN 62321-5:2014, EN 62321-6:2015, EN 62321-7-1:2015, EN 62321-7-2:2017 and EN 62321-8:2017.

Test result: Refer to the data listed in following pages

Conclusion: With regard to the data of tested components, the requirements of Directive 2011/65/EU (RoHS) and 2015/863/EU are **complied**.

Remarks: 1. The tested samples were identified and appointed by client.
2. The result relates only to the items tested.

REACH of DTSD1352



SVHC Assessment Report

Client: Jiangsu Acrel Electrical Manufacturing, Co., Ltd.
No. 5, Dongmeng Road, Nanzhe Street, Jiangyin, Jiangsu, P. R. China

Contact person: Han zhonghua

Test object: The submitted samples were received and described by client as:
Product:Electric Meter
Model: DTSD1352

Purpose of Evaluation: Additional model: DDSD1352, ADL3080, ADL200, ADL400
Based on the Candidate List, to test the listed 211 substances of Substances of Very High Concern (SVHC) for Authorisation updated on 19 January 2021, which was published in accordance with Article 59(10) of the REACH Regulation (EC) No 1907/2006.

Test method: 1). Test portion is digested with acid, analyzed by ICP-OES and UV-VIS.
2). Organic solvent extraction, analyzed by GC-MS, HPLC.

Summary:

The substances of Very High Concern concentration **less than** 0.1%	Group 1~ Group 5
The substances of Very High Concern concentration **more than** 0.1%	Group 7~ Group 8
	Group 6 (see page 16 ~18)

Remark: 1. The tested samples were identified and appointed by client.
2. The result relates only to the items tested.
3. As the client required, the sample was tested in mixture.

2.3 Energy Management

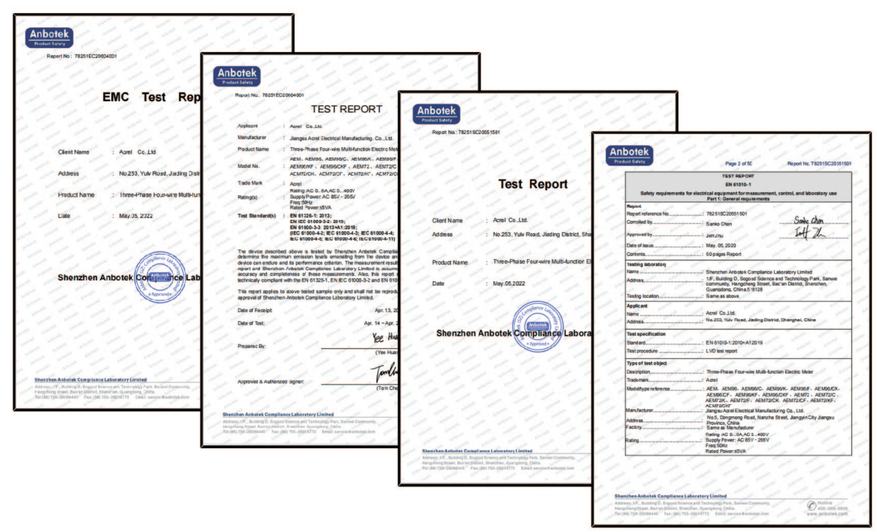
UKCA of ADL400/DTSD1352

■ AEM series energy meter

CE of AEM96

RoHS of AEM96

CE of AEM series



Part 2 Product Qualification

2.3 Energy Management

AEW Series Wireless Energy Meter

CE of AEW100

CE of AEW100(Rogowski Coil)

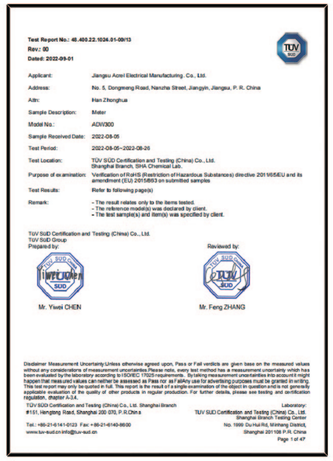
CE of AEW110

ADW series IOT power meter

CE of ADW2xx series

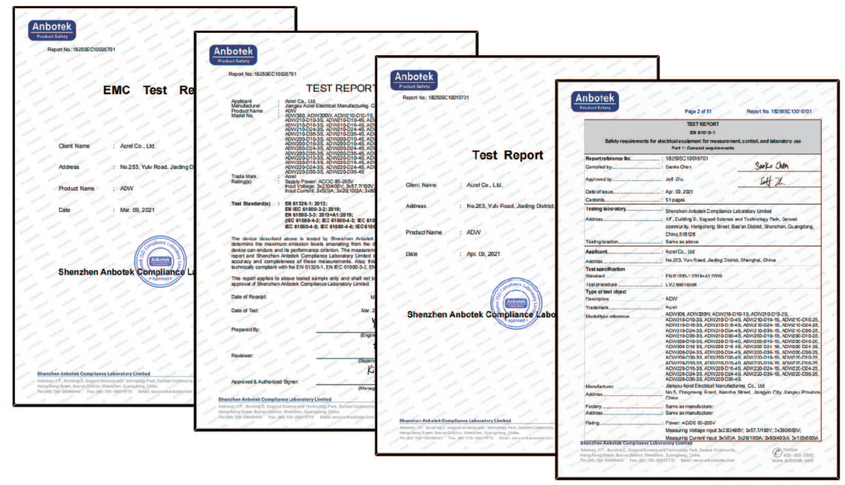
2.3 Energy Management

RoHS of ADW300



RED of ADW300

CE of ADW210/300 series



RoHS of ADW210/300 series

2.3 Energy Management

DJSFseries Din DC Energy Meter

CE of DJSF series

CELAB
Via Alfieri snc
04100 Latina
Italy
celab@celab.com

celab

CERTIFICATE

Certificate Number UCN : 8024506215192
Job : 227014
Date of Issue : 2019-07-03
Certificate valid up to : 2025-07-02

Brand Name : Acrel
Type : DJSF series electronic DC measuring device
Model N : DJSF1352

Manufacturer : Acrel Co., Ltd.
Address : No.253, Yulv Road, Jiading District, Shanghai, China

Standard Used : EN 61326-1:2013, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 61010-1:2010

Conclusion :
After inspection of the technical documentation issued by the customer, and on his request, we express our opinion that the product meets the technical requirement of the following directives and standards: 2014/30/EU Electromagnetic compatibility (EMC) 2014/35/EU Low Voltage (LVD)

This opinion is only valid for this directive, the equipment and configuration described, in conjunction with the test data detailed above and with compliance with all applicable legal requirements for the product.
The following manufacturer documents are inspected:

Presence of Declaration of conformity template	✔ OK
Presence of test report using standards as indicated in the declaration of conformity. Test report reference : BST3QT0001-1697000GER1-EMRCU / BST1906115197000GER-LVCD	✔ OK
Presence of CE symbol on the product label.	✔ OK
Presence of instruction manual	✔ OK
Use of wire recommended standard in the declaration of conformity	✔ OK
Presence of product description in the technical construction file	✔ OK

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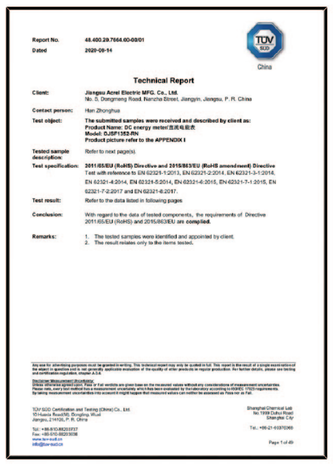
Check the authenticity of this certificate and related information before use in the web site www.celab.com introducing the UCN number in the 'Check document authenticity' area. You will see copy of this certificate and regulation on certificate use. This document is released only for scope allowed by laws. Do not use this document without full understanding of regulation.

Massimiliano Bertolli
General Manager – CELAB
www.celab.com

www.celab.com

Doc 121 Voluntary Certificate rev 3.31

RoHS of DJSF1352-RN



Report No. 48.400.29.7664.00-03/01
Dated 2020-09-14

TÜV SÜD China

Technical Report

Client: Jiangsu Acrel Electric MFG. Co., Ltd.
No. 5, Dongmeng Road, Nanzhai Street, Jiangyin, Jiangsu, P. R. China

Contact person: Han Zhonghua

Test object: **The submitted samples were received and described by client as:**
Product Name: DC energy meter/直流电能表
Model: DJSF1352-RN
Product picture refer to the APPENDIX I

Tested sample description: Refer to next page(s).

Test specification: **2011/65/EU (RoHS) Directive and 2015/863/EU (RoHS amendment) Directive**
Test with reference to EN 62321-1:2013, EN 62321-2:2014, EN 62321-3-1:2014, EN 62321-4:2014, EN 62321-5:2014, EN 62321-6:2015, EN 62321-7-1:2015, EN 62321-7-2:2017 and EN 62321-8:2017.

Test result: Refer to the data listed in following pages

Conclusion: With regard to the data of tested components, the requirements of Directive 2011/65/EU (RoHS) and 2015/863/EU **are complied.**

Remarks: 1. The tested samples were identified and appointed by client.
2. The result relates only to the items tested.

Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single round-robin of the subject in question and is not generally applicable evaluation of the quality of other products in regular production. For further details, please see testing and certification regulation, chapter A.3.4.

Decision Measurement Uncertainty:
Unless otherwise agreed, for Pass/Fail verdicts are given base on the received values without any consideration of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated for the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.

TÜV SÜD Certification and Testing (China) Co., Ltd.
No. 1198 Qzhu Road, Xinqiao Group, Shuyuan Town
Songjiang District, Shanghai, P. R. China
Tel.: +86-21-67870969

Shanghai Chemical Lab
No. 1198 Qzhu Road
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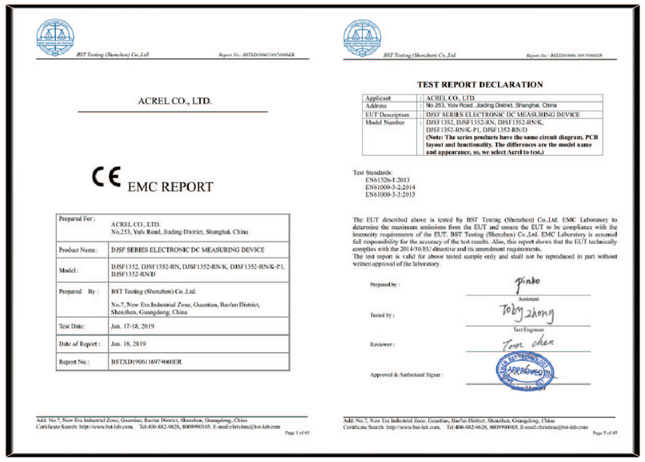
Tel: +86-510-86251517
Fax: +86-510-86251508
www.tuv-sud.cn
info@tuv-sud.cn

Page 1 of 49

CE of DJSF series



BST Testing (Shenzhen) Co.,Ltd. Report No.: BSTXD1906116974060ER

ACREL CO., LTD.

CE EMC REPORT

Prepared For :	ACREL CO., LTD. No.253, Yulv Road, Jiading District, Shanghai, China
Product Name:	DJSF SERIES ELECTRONIC DC MEASURING DEVICE
Model :	DJSF1352, DJSF1352-RN, DJSF1352-RN/K, DJSF1352-RN/K-P1, DJSF1352-RN/D
Prepared By :	BST Testing (Shenzhen) Co.,Ltd. No.7, New Era Industrial Zone, Guantian, Baolan District, Shenzhen, Guangdong, China
Test Date:	Jun. 17-18, 2019
Date of Report :	Jun. 18, 2019
Report No.:	BSTXD1906116974060ER

Add: No.7, New Era Industrial Zone, Guantian, Baolan District, Shenzhen, Guangdong, China
Certificate Search: http://www.bst-lab.com, Tel: 400-882-9628, 8009990105, E-mail:christina@bst-lab.com
Page 1 of 49

BST Testing (Shenzhen) Co.,Ltd. Report No.: BSTXD1906116974060ER

TEST REPORT DECLARATION

Applicant	: ACREL CO., LTD
Address	: No.253, Yulv Road, Jiading District, Shanghai, China
EUT Description	: DJSF SERIES ELECTRONIC DC MEASURING DEVICE
Model Number	: DJSF1352, DJSF1352-RN, DJSF1352-RN/K, DJSF1352-RN/K-P1, DJSF1352-RN/D **(Note: The series products have the same circuit diagram, PCB layout and functionality. The differences are the model name and appearance, so, we select Acrel to test.)**

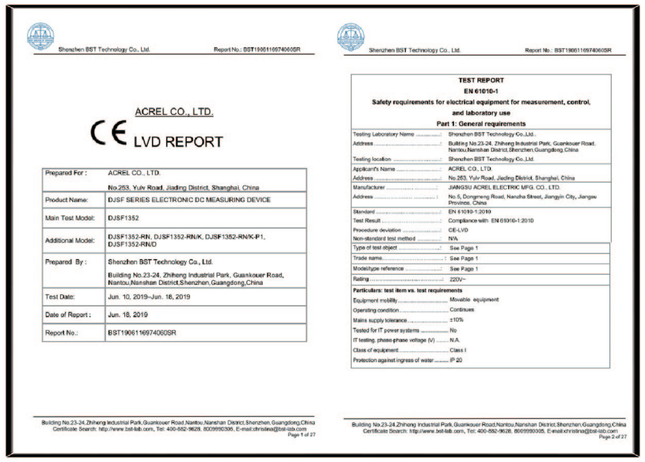
Test Standards:
EN61326-1:2013
EN61000-3-2:2014
EN61000-3-3:2013

The EUT described above is tested by BST Testing (Shenzhen) Co.,Ltd. EMC Laboratory to determine the maximum emissions from the EUT and ensure the EUT to be compliance with the immunity requirements of the EUT. BST Testing (Shenzhen) Co.,Ltd. EMC Laboratory is assumed full responsibility for the accuracy of the test results. Also, this report shows that the EUT technically complies with the 2014/30/EU directive and its amendment requirements.
The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the laboratory.

Prepared by : pinho
Assistant
Tested by : Toby Zhong
Test Engineer
Reviewer : Tom chen
Approved & Authorized Signer : APPROVED

Add: No.7, New Era Industrial Zone, Guantian, Baolan District, Shenzhen, Guangdong, China
Certificate Search: http://www.bst-lab.com, Tel: 400-882-9628, 8009990105, E-mail:christina@bst-lab.com
Page 5 of 49

CE of DJSF series



Shenzhen BST Technology Co., Ltd. Report No.: BST190611697406 0ER

ACREL CO., LTD.

CE LVD REPORT

Prepared For :	ACREL CO., LTD. No.253, Yulv Road, Jiading District, Shanghai, China
Product Name:	DJSF SERIES ELECTRONIC DC MEASURING DEVICE
Main Test Model:	DJSF1352
Additional Model:	DJSF1352-RN, DJSF1352-RN/K, DJSF1352-RN/K-P1, DJSF1352-RN/D
Prepared By :	Shenzhen BST Technology Co., Ltd. Building No.23-24, Zhihong Industrial Park, Guankouer Road, Nantou,Nanshan District,Shenzhen, Guangdong,China
Test Date:	Jun. 10, 2019–Jun. 18, 2019
Date of Report :	Jun. 18, 2019
Report No.:	BST190611697406 0ER

Building No.23-24,Zhihong Industrial Park,Guankouer Road,Nantou,Nanshan District,Shenzhen,Guangdong,China
Certificate Search: http://www.bst-lab.com, Tel: 400-882-9628, 8009990105, E-mail:christina@bst-lab.com
Page 1 of 27

Shenzhen BST Technology Co., Ltd. Report No.: BST190611697406 0ER

TEST REPORT
EN 61010-1
Safety requirements for electrical equipment for measurement, control, and laboratory use
Part 1: General requirements

Testing Laboratory Name	Shenzhen BST Technology Co.,Ltd.
Address	Building No.23-24, Zhihong Industrial Park, Guankouer Road, Nantou,Nanshan District,Shenzhen,Guangdong,China
Testing location	Shenzhen BST Technology Co.,Ltd.
Applicant's Name	ACREL CO., LTD
Address	No.253, Yulv Road, Jiading District, Shanghai, China
Manufacturer	JIANGSU ACREL ELECTRIC MFG. CO., LTD.
Address	No.5, Dongmeng Road, Nanzhai Street, Jiangyin City, Jiangsu Province, China
Standard	EN 61010-1:2010
Test Result	Compliance with EN 61010-1:2010
Procedure deviation	CE-LVD
Non-standard test method	N/A
Type of test object	See Page 1
Trade name	See Page 1
Model/type reference	See Page 1
Rating	220V~
Particulars: test item vs. test requirements	
Equipment mobility	Movable equipment
Operating condition	Continuous
Mains supply tolerance	±10%
Tested for IT power systems	No
IT testing, phase-phase voltage (V)	N.A.
Class of equipment	Class I
Protection against ingress of water	IP 20

Building No.23-24,Zhihong Industrial Park,Guankouer Road,Nantou,Nanshan District,Shenzhen,Guangdong,China
Certificate Search: http://www.bst-lab.com, Tel: 400-882-9628, 8009990105, E-mail:christina@bst-lab.com
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2.3 Energy Management

- ADF series multi-circuits energy meter

CE of ADF400L series

TÜV AUSTRIA CERT GMBH
Certification Body

TÜV AUSTRIA

CERTIFICATE OF CONFORMITY

Certificate - No.: TA 16521 5677

Product: ADF

Applicant: Acrel Co., Ltd.
No.253, Yuhi Road, Jiading District, Shanghai, China

Manufacturer: Jiangsu Acrel Electrical Manufacturing Co., Ltd.
No.5, Dongmeng Road, Nanzhao Town, Jiangyin City, Jiangsu Province, China

Type / Models / Trademark: ADF400
ADF400L-2S(10)(Y), ADF400L-2S(150)(Y), ADF400L-4HZS(5E)(Y),
ADF400-4H(20)(Y), ADF400-4H(40)(10)(Y),
ADF400L-1S(50)(150)(Y), ADF400L-1S(150)(150)(Y),
ADF400L-7S(120)(Y), ADF400L-9S(240)(Y), ADF400L-9S(270)(Y),
ADF400L-1S(120)(Y), ADF400L-1S(240)(Y), ADF400L - 2S(200)(Y)

Description / Technical Specification: Power: AC(C)85-265V
Measuring Voltage input: 3x220/380V (3x57.7/100V) 3x380/660V;
Measuring Current input: 3x1/1(2)A,3x5(6)A,3x10(60)A

EU directive: 2014/30/EU

Standard(s) / Product: EN 61326-1:2013

Certification Mark: EN IEC 61326-3-2:2019
EN 61000-3-3:2013+A1:2019

Test Report: 162505C1001 96601

Comments: N/A

According to the above stated test report(s) the specified product complies with the applicable requirements of the mentioned standard(s). The applicant may use the test report and this Certificate of Conformity in connection with his declaration of conformity for the product described in the attachment.
The Certificate of Conformity has been granted to the applicant based on the results of testing performed by the applicant/manufacturer or an approved laboratory and the consequent review of the test report by TÜV AUSTRIA CERT GMBH. Therefore, it does not imply any assessment of the production process of the product or any other product. Furthermore, it does not imply any assessment of the production process of the product. Any modification of the product may require the creation of a new certificate because it invalidates the technical report and therefore this associated certificate to remain valid. Participants in the General Conditions for a Certificate of Conformity on a national or international Standard concerning a specified product are valid.

2021-04-23
Date of Issue

Sun Huang, Certification representative

CE Mark may only be affixed to the product after fulfilment of all applicable EU directives for this product and the preparation of the necessary technical documentation as well as the conformity declaration by the manufacturer.

*The validity of this certificate (MM: Y yyyy) for the date of issue can be checked on the TÜV AUSTRIA's homepage.
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TÜV AUSTRIA CERT GMBH
TÜV AUSTRIA-Allee 4, 1240 Wien, Österreich
www.tuv.at

e-mail: certum@tuv.at
DPM-NO: CERTMS-FOR-Rev.00

F00100-004

TÜV AUSTRIA CERT GMBH
Certification Body

TÜV AUSTRIA

CERTIFICATE OF CONFORMITY

Certificate - No.: TA 16521 5673

Product: ADF

Applicant: Acrel Co., Ltd.
No.253, Yuhi Road, Jiading District, Shanghai, China

Manufacturer: Jiangsu Acrel Electrical Manufacturing Co., Ltd.
No.5, Dongmeng Road, Nanzhao Town, Jiangyin City, Jiangsu Province, China

Type / Models / Trademark: ADF400,
ADF400L-2H(6)(Y), ADF400L-2H(150)(Y), ADF400L-4HZS(5E)(Y),
ADF400-4H(20)(5E)(Y), ADF400-4H(40)(10)(Y),
ADF400-4H(40)(5E)(Y), ADF400L-1H(30)(150)(Y),
ADF400-7S(10)(Y), ADF400L-9S(240)(Y), ADF400L-9S(270)(Y),
ADF400-4H(20)(Y), ADF400L-1H(240)(Y), ADF400L - 2S(200)(Y)

Description / Technical Specification: Power: AC(DC)85-265V
Measuring Voltage input: 3x220/380V (3x57.7/100V) 3x380/660V;
Measuring Current input: 3x1/1(2)A,3x5(6)A,3x10(60)A

EU directive: 2014/30/EU

Standard(s) / Product:

Certification Mark: EN 61010-1:2010+A1:2019

Test Report: 162505C1001 96601

Comments: N/A

According to the above stated test report(s) the specified product complies with the applicable requirements of the mentioned standard(s). The applicant may use the test report and this Certificate of Conformity in connection with his declaration of conformity for the product described in the attachment.
The Certificate of Conformity has been granted to the applicant based on the results of testing performed by the applicant/manufacturer or an approved laboratory and the consequent review of the test report by TÜV AUSTRIA CERT GMBH. Therefore, it does not imply any assessment of the production process of the product or any other product. Furthermore, it does not imply any assessment of the production process of the product. Any modification of the product may require the creation of a new certificate because it invalidates the technical report and therefore this associated certificate to remain valid. Participants in the General Conditions for a Certificate of Conformity on a national or international Standard concerning a specified product are valid.

2021-04-23
Date of Issue

Sun Huang, Certification representative

CE Mark may only be affixed to this product after fulfilment of all applicable EU directives for this product and the preparation of the necessary technical documentation as well as the conformity declaration by the manufacturer.

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www.tuv.at

e-mail: certum@tuv.at
DPM-NO: CERTMS-FOR-Rev.00

F00100-004

2.4 New Energy

- AGF Series Solar String Monitoring Device

CE of AGF-M16TKV-P3

CELAB®
Via Ufficio per
04100 Latina
Italy
celab@c-lab.biz

celab

CERTIFICATE

Certificate Number UCN: 8026220 19301
Job: 220143
Date of Issue: 2020-04-15
Certificate valid up to: 2028-04-14

Brand Name: Acrel
Type: Solar PV String Monitor
Model N: AGF-M04TKV-P3, AGF-M06TKV-P3, AGF-M10TKV-P3, AGF-M12TKV-P3, AGF-M16TKV-P3, AGF-M24T, AGF-M16TKV-P2

Manufacturer: Acrel Co., Ltd
Address: No.253, Yuhi Road, Jiading District, Shanghai China

Conclusion:
After inspection of the technical documentation issued by the customer, and in his request, we express the following opinion:

This opinion is only valid for the Directive, the equipment and configuration described, in conjunction with the test data related above and with compliance with all applicable legal requirement for the product.
The following manufacturer documents were inspected:

Directives indicated in the Declaration of Conformity: 2014/30/EU Electro-magnetic compatibility (EMC)
2014/35/EU Low Voltage (LVD)
Standard used in the product: EN 61326-1:2013, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 50470-3:2006
Presence of Declaration of conformity	✓ OK
Presence of test report using standards as indicated in the declaration of conformity	✓ OK
Test report reference: 162505C1001 96601/162505C0006 4201	
Presence of CE symbol in the product label	✓ OK
Presence of instruction manual	✓ OK
Use of valid Harmonized standard in the declaration of conformity	✓ OK
Presence of product description in the technical construction file	✓ OK

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Check the authenticity of this certificate and related informations before use in the web site www.celab.com introducing the UCN number in the 'Check document authenticity' area. You will see copy of this certificate and regulation on certificate use. This document is released only for scope allowed by laws. Do not use this document without full understanding of regulation.

Massimiliano Bonetti
General Manager - CELAB
www.celab.com

www.celab.com

Doc 121 Voluntary Certificate rev 3.33

CSA Group

Certificate of Compliance

Certificate: 70171135
Master Contract: 271907
Project: 70171135
Date Issued: 2015-03-07
Issued to: Jiangsu ACREL Electric MFG. Co., Ltd.
No.5 DongMeng Road, NanZhao Street,
JiangYin, Jiangsu 214405
CHINA
Attention: Huang mimin

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Issued by: Ro Patricia Yuzugi
Robin Yang

PRODUCTS
CLASS - C531189 - POWER SUPPLIES - Distributed Generation Power Systems Equipment - Certified to U.S. Standards
CLASS - C531189 - POWER SUPPLIES-Distributed Generation Power Systems Equipment

Electricity Meter, Model AGF-AE-D/200, DIN Rail mounted.

Notes:
For details related to rating, size, configuration, etc., reference should be made to the CSA Certification Record, Certificate of Compliance Annex A, or the Descriptive Report.

APPLICABLE REQUIREMENTS
CSA-C22.2 No.107.1-01-General Use Power Supplies
UL 1741-Second Edition-Inverters, Converters, Controllers and Interconnection System Equipment For Use With Distributed Energy Sources (January 28, 2010)

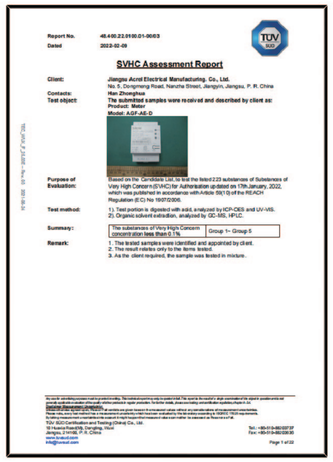
DOC-CP Rev. 2010-02-10 Page 1

- AGF-AE-D Series PV/Solar Inverter Energy Meter

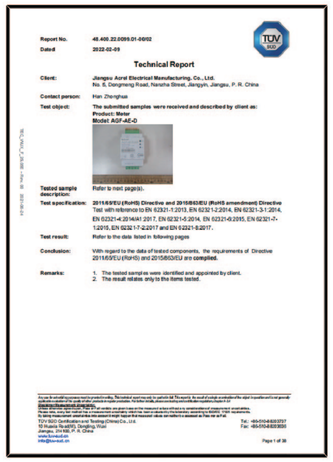
CSA(UL+ANSI) of AGF-AE-D/200

2.4 New Energy

REACH of AGF-AE-D/200



SVHC Assessment Report



Technical Report

FCC of AGF-AE-D/200

SGS-CSTC Standards Technical Services Co., Ltd.

Verification of Compliance

■ ACR10R-D Series PV/Solar Inverter Energy Meter

CE of ACR series

CERTIFICATE

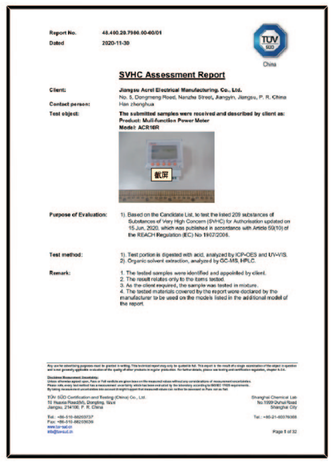
ATTESTATION CERTIFICATE OF ELECTROMAGNETIC COMPATIBILITY AND LOW VOLTAGE DIRECTIVES

CE of ACR10R

CERTIFICATE

ATTESTATION CERTIFICATE OF ELECTROMAGNETIC COMPATIBILITY AND LOW VOLTAGE DIRECTIVES

REACH of ACR10R



SVHC Assessment Report

2.5 Data center/Tower/Base Station

AMC Series Multi-circuits DC Energy Meter

IEC of AMC16-DETT

TEST REPORT

Report No.: YZ200717-ACRE-0001
Sample Name: Base station DC energy meter
Model: AMC16-DETT
Applicant: Acrel Co.,Ltd.

TEST REPORT

Report No.:	YZ200717-ACRE-0001	Applicant:	Acrel Co.,Ltd.
Sample Name:	Base station DC energy meter	Adds of Applicant:	No.253, Yulv Road, Jiading District, Shanghai, China
Models:	AMC16-DETT	Manufacturer:	Jiangsu Acrel Electrical Manufacturing Co.,Ltd
Trade Mark:	Acrel	Adds of Manufacturer:	No.5 Dongmeng Road, Nanzha Street,Jiangyin City, Jiangsu Province, China
Serial Number:	/		
Sample Receiving Date:	2020-07-17	Factory:	/
Sample State:	Pass	Adds of Factory:	/
Testing Date:	2020-07-18		

Test Standard: IEC 61010-1:2010 Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements

Test Conclusion: The test items compliance with above requirements

Tested by: Zhang Ping Signature: Date: 2020-07-20
Reviewed by: An Wei Signature: Date: 2020-07-20
Approved by: Chen Jiamong Signature: Date: 2020-07-20
Issued by: Jiangsu Entry-Exit Inspection & Quarantine Bureau 2020-07-20

Remark: The client only entrusts the test items: 5,6,7 and 8 chapters.

YZTCIC-04-390-A

CE of AMC16L-DETT

UDEM

CERTIFICATE

ATTESTATION
CERTIFICATE OF ELECTROMAGNETIC COMPATIBILITY DIRECTIVE

Technical file of the company mentioned below has been observed and audit has been completed successfully.

2014/ 30/EU Electromagnetic Compatibility Directive has been taken as references for these processes

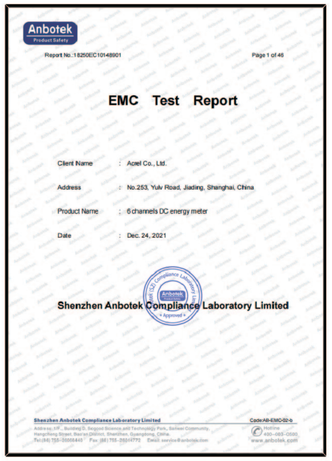
Company Name	:	Acrel Co., Ltd.
Company Address	:	No.253, Yulv Road, Jiading District, Shanghai, China
Manufacturer Name	:	Jiangsu Acrel Electrical Manufacturing Co., Ltd.
Manufacturer Address	:	No.5, Dongmeng Road, Nanzha Street, Jiangyin City, Jiangsu Province, China
Related Directives and Annex	:	Electromagnetic Compatibility 2014/30/EU
Related Standards		EN 61326-1:2013, EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A2:2021
Product Name	:	6 Channels DC Energy Meter
Report No and Date	:	XJ211112601EMC
Product Brand/Model/Type	:	Acrel // AMC16L-DETT, AMC16-DETT
Certificate Number	:	M.2021.206.089283
Initial Assessment Date	:	30.11.2021
Registration Date	:	01.12.2021
Reissue Date/No	:	-
Expiry Date	:	30.11.2026

LCIE International Certification Auditing Training Centre Industry and Trade Inc. Co.

The validity of the certificate can be checked through www.udem.com.tr. The CE mark shown on the right side of this certificate is a trademark of the European Union. Use of the CE mark is subject to the Community Regulations governing the CE mark, including Regulation (EC) No 765/2008 of the European Parliament and of the Council of 9 July 2008 setting out the general principles of the CE marking. This certificate remains the property of LCIE International Certification Auditing Training Centre Industry and Trade Inc. Co. to which it must be returned upon request. The above mentioned product is in conformity with the requirements of the Directive. This certificate only covers the product(s) stated above and LCIE must be notified in case of any changes in the product(s).

Adliye ile Mülkiyeti Mahallesi 2073 Sokak (Eski 10 Sokak) No:10 Çankaya – Ankara – TURKEY
Phone: +90 (312) 443 55 95 Fax: +90 (312) 443 33 76
E-mail: info@udemtest.com.tr www.udem.com.tr

IEC of AMC16L-DETT


Anbotek Product Safety

Report No.:18250EC10148901 Page 1 of 46

EMC Test Report

Client Name : Acrel Co., Ltd.
Address : No.253, Yulv Road, Jiading, Shanghai, China
Product Name : 6 channels DC energy meter
Date : Dec. 24, 2021

Shenzhen Anbotek Compliance Laboratory Limited

Shenzhen Anbotek Compliance Laboratory Limited Code:AB-EMC-02-b

Anbotek Product Safety

Report No.:18250EC10148901 Page 4 of 46

TEST REPORT

Applicant	Acrel Co., Ltd.
Manufacturer	Jiangsu Acrel Electrical Manufacturing Co., Ltd.
Product Name	6 channels DC energy meter
Model No.	AMC16L-DETT; AMC16-DETT
Trade Mark	Acrel
Rating(s)	Supply Power: DC40-60V Measuring Voltage input: DC0-48V Measuring Current input: DC0-5V
Test Standard(s)	EN 61326-1: 2013; (IEC 61000-4-2; IEC 61000-4-3; IEC 61000-4-4; IEC 61000-4-5; IEC 61000-4-6; IEC 61000-4-8;)

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliant with the EN 61326-1 requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

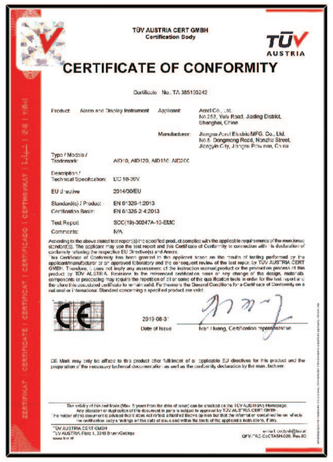
Date of Receipt: Dec. 15, 2021
Date of Test: Dec. 15~24, 2021
Prepared By: (Yee Huang)
Approved & Authorized Signer: (KingRong Jin)

Shenzhen Anbotek Compliance Laboratory Limited Code:AB-EMC-02-b

2.6 Electrical Safety

■ Medical Isolation Power Supply Insulation Monitoring Device

CE of AID series


TÜV AUSTRIA CERT GMBH
Certification Body

CERTIFICATE OF CONFORMITY

Certificate - No.: TA 385103242

Product: Alarm and Testing Instrument
Applicant: Acrel Co., Ltd. No.253, Yuyu Road, Jiading District, Shanghai, China
Manufacturer: Jiangsu Acrel Electric MFG. Co., Ltd. No.5, Dongzheng Road, Nanzhu Street, Jiangyin City, Jiangsu Province, China
Type / Models / Trademark: AID10, AID150, AID150-AID200
Description / Technical Specification: IEC 18-36V
EU directive: 2014/30/EU
Standard(s) / Product: EN 61326-1:2013
Certification Basis: EN 61326-2-4:2013
Test Report: SCC(18)-3024TA-10-EEMC
Comments: N/A

According to the above stated test report(s) the specified product complies with the applicable requirements of the mentioned standard(s). The applicant may use the test report and this Certificate of Conformity in connection with his declaration of conformity allowing the respective EU Directive(s) and Annex.
This Certificate of Conformity has been granted to the applicant based on the results of testing performed by the applicant/manufacturer or an accepted laboratory and the consequent review of the test report by TÜV AUSTRIA CERT GMBH. Therefore, it does not imply any assessment of the manufacture-owned product or the production process of this product by TÜV AUSTRIA. Deviations to the referenced certification basis or any change of the design, materials, components or processes may require the repetition of all or some of the certification tests in order for the test report and therefore this associated certificate to remain valid. Furthermore the General Conditions for Certification of Conformity on a national or international Standard concerning a specified product are valid.

2019-08-3
Date of issue
Ivan Huang, Certification representative

CE Mark may only be affixed to this product after fulfilment of all applicable EU directives for this product and the preparation of the necessary technical documentation as well as the conformity declaration by the manufacturer.

The validity of this certificate (Max. 5 years from the date of issue) can be checked on the TÜV AUSTRIA's Homepage.
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e-mail: certcb@tuv-at.at
QFM-TAC-CERTIFICATE-Rev.00

CE of AIL series

TÜV AUSTRIA CERT GMBH
Certification Body

CERTIFICATE OF CONFORMITY

Certificate - No.: TA 385103243

Product: Insulation Fault Locator
Applicant: Acrel Co., Ltd. No.253, Yuyu Road, Jiading District, Shanghai, China
Manufacturer: Jiangsu Acrel Electric MFG. Co., Ltd. No.5, Dongzheng Road, Nanzhu Street, Jiangyin City, Jiangsu Province, China
Type / Models / Trademark: AIL100-4, AIL150-4, AIL150-8, AIL200-10
Description / Technical Specification: Supply voltage: DC 18-36V; Rated voltage: AC 220V 50/60 Hz
EU directive: 2014/30/EU
Standard(s) / Product: EN 61326-1:2013
Certification Basis: EN 61326-2-4:2013
Test Report: SCC(18)-3024TA-10-EMC
Comments: N/A

According to the above stated test report(s) the specified product complies with the applicable requirements of the mentioned standard(s). The applicant may use the test report and this Certificate of Conformity in connection with his declaration of conformity allowing the respective EU Directive(s) and Annex.
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2019-08-21
Date of issue
Ivan Huang, Certification representative

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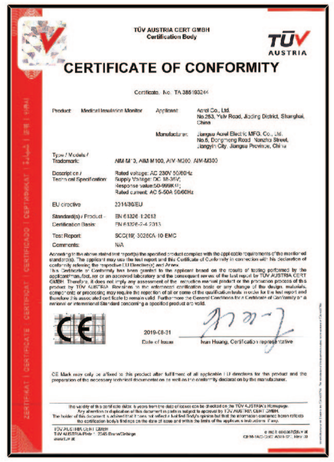
e-mail: certcb@tuv-at.at
QFM-TAC-CERTIFICATE-Rev.00

CE of AIM series


TÜV AUSTRIA CERT GMBH
Certification Body

CERTIFICATE OF CONFORMITY

Certificate - No.: TA 385103244

Product: Medical Insulation Monitor
Applicant: Acrel Co., Ltd. No.253, Yuyu Road, Jiading District, Shanghai, China
Manufacturer: Jiangsu Acrel Electric MFG. Co., Ltd. No.5, Dongzheng Road, Nanzhu Street, Jiangyin City, Jiangsu Province, China
Type / Models / Trademark: AIM M 3, AIM M 100, AIV M200, AIM-M300
Description / Technical Specification: Rated voltage: AC 220V 50/60Hz; Supply voltage: DC 18-36V; Response value: 30-500kΩ; Rated current: AC 5-50A 50/60Hz
EU directive: 2014/30/EU
Standard(s) / Product: EN 61326-1:2013
Certification Basis: EN 61326-2-4:2013
Test Report: SCC(18)-3024TA-10-EMC
Comments: N/A

According to the above stated test report(s) the specified product complies with the applicable requirements of the mentioned standard(s). The applicant may use the test report and this Certificate of Conformity in connection with his declaration of conformity allowing the respective EU Directive(s) and Annex.
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2019-08-21
Date of issue
Ivan Huang, Certification representative

CE Mark may only be affixed to this product after fulfilment of all applicable EU directives for this product and the preparation of the necessary technical documentation as well as the conformity declaration by the manufacturer.

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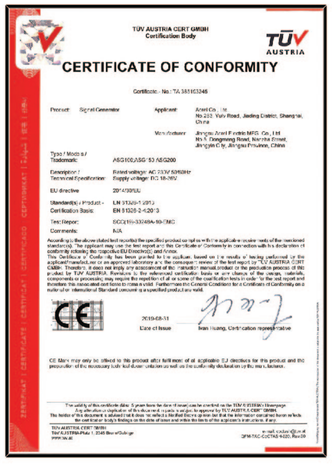
www.tuv.at
e-mail: certcb@tuv-at.at
QFM-TAC-CERTIFICATE-Rev.00

CE of ASG series


TÜV AUSTRIA CERT GMBH
Certification Body

CERTIFICATE OF CONFORMITY

Certificate - No.: TA 385103246

Product: Signal Generator
Applicant: Acrel Co., Ltd. No.253, Yuyu Road, Jiading District, Shanghai, China
Manufacturer: Jiangsu Acrel Electric MFG. Co., Ltd. No.5, Dongzheng Road, Nanzhu Street, Jiangyin City, Jiangsu Province, China
Type / Models / Trademark: ASG100,ASG-S3 ASG200
Description / Technical Specification: Rated voltage: AC 220V 50/60Hz; Supply voltage: DC 18-36V
EU directive: 2014/30/EU
Standard(s) / Product: EN 61326-1:2013
Certification Basis: EN 61326-2-4:2013
Test Report: SCC(18)-3024TA-10-EMC
Comments: N/A

According to the above stated test report(s) the specified product complies with the applicable requirements of the mentioned standard(s). The applicant may use the test report and this Certificate of Conformity in connection with his declaration of conformity allowing the respective EU Directive(s) and Annex.
This Certificate of Conformity has been granted to the applicant based on the results of testing performed by the applicant/manufacturer or an accepted laboratory and the consequent review of the test report by TÜV AUSTRIA CERT GMBH. Therefore, it does not imply any assessment of the manufacture-owned product or the production process of this product by TÜV AUSTRIA. Deviations to the referenced certification basis or any change of the design, materials, components or processes may require the repetition of all or some of the certification tests in order for the test report and therefore this associated certificate to remain valid. Furthermore the General Conditions for Certification of Conformity on a national or international Standard concerning a specified product are valid.

2019-08-13
Date of issue
Ivan Huang, Certification representative

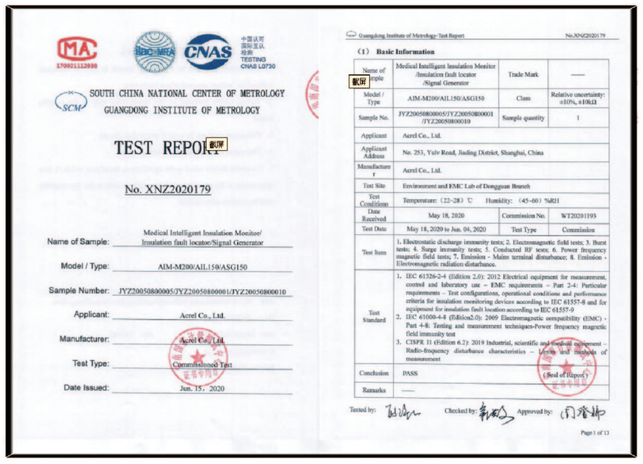
CE Mark may only be affixed to this product after fulfilment of all applicable EU directives for this product and the preparation of the necessary technical documentation as well as the conformity declaration by the manufacturer.

The validity of this certificate (Max. 5 years from the date of issue) can be checked on the TÜV AUSTRIA's Homepage.
Any alteration or duplication of this document is only allowed if it has been approved by TÜV AUSTRIA CERT GMBH.
The holder of this document is advised that it does not entitle him/her/it to claim that the information contained herein refers to the certification body's findings on the date of issue and which the holder of the applicant's product has.

TÜV AUSTRIA CERT GMBH
TÜV AUSTRIA-Platz 1, 2345 Brunn am Gebirge
www.tuv.at
e-mail: certcb@tuv-at.at
QFM-TAC-CERTIFICATE-Rev.00

2.6 Electrical Safety

IEC of AIL series



SOUTH CHINA NATIONAL CENTER OF METROLOGY
GUANGDONG INSTITUTE OF METROLOGY

TEST REPORT

No. XNZ2020179

Name of Sample: Medical Intelligent Insulation Monitor/ Insulation fault locator/Signal Generator

Model / Type: AIM-M200/AIL150/ASG150

Sample Number: JYZ20050800005/JYZ20050800001/JYZ20050800010

Applicant: Acrel Co., Ltd.

Manufacturer: Acrel Co., Ltd.

Test Type: Commission Test

Date Issued: Jun. 15, 2020

IEC of AIM series

TÜV AUSTRIA CERT GMBH
Certification Body

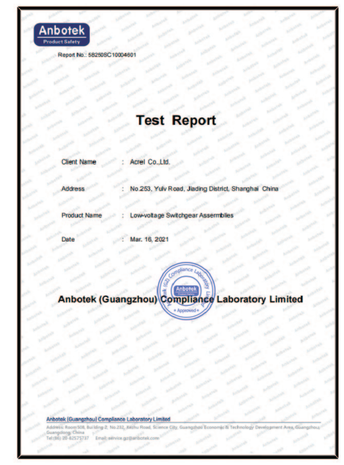
CERTIFICATE OF CONFORMITY

IEC of ASG series

TÜV AUSTRIA CERT GMBH
Certification Body

CERTIFICATE OF CONFORMITY

IEC of GGF-I/GGF-O



Anbotek

Test Report

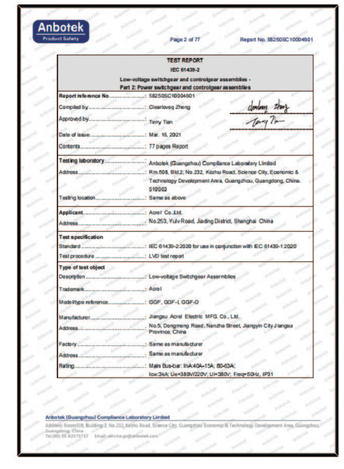
Client Name : Acrel Co.,Ltd.

Address : No.253, Yulv Road, Jiading District, Shanghai China

Product Name : Low-voltage Switchgear Assemblies

Date : Mar. 16, 2021

Anbotek (Guangzhou) Compliance Laboratory Limited



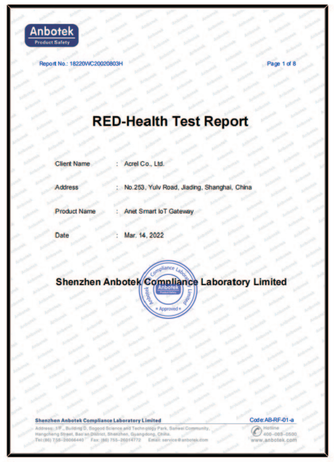
Anbotek

TEST REPORT
IEC 61439-2
Low-voltage switchgear and controlgear assemblies -
Part 2: Power switchgear and controlgear assemblies

2.7 Smart Gateway

Anet series

IEC of Anet series


Anbotek
Report No.: 18220WC20020803H
Page 1 of 8

RED-Health Test Report

Client Name : Acrel Co., Ltd.
Address : No.253, Yulv Road, Jiading, Shanghai, China
Product Name : Anet Smart IoT Gateway
Date : Mar. 14, 2022

Shenzhen Anbotek Compliance Laboratory Limited

Anbotek
Report No.: 18220WC20020804W
Page 1 of 61

RED-Radio Test Report

Client Name : Acrel Co., Ltd.
Address : No.253, Yulv Road, Jiading, Shanghai, China
Product Name : Anet Smart IoT Gateway
Date : Mar. 14, 2022

Shenzhen Anbotek Compliance Laboratory Limited

CE of Anet-M

MiCOMLabs
CERTIFICATE of EXAMINATION
NOTIFIED BODY EU-TYPE EXAMINATION CERTIFICATE
Radio Equipment Directive (RED) 2014/53/EU
Product Name:
Anet Smart IoT Gateway
Approval Holder Name:
Acrel Co., Ltd.
Gordon Hurst, Product Certifier

AWT100 series wireless communication terminal

CE-RED of AWT100-FGHW/AWT100-WFHW/AWT100-LRHW

MiCOMLabs
CERTIFICATE of EXAMINATION
NOTIFIED BODY EU-TYPE EXAMINATION CERTIFICATE
Radio Equipment Directive (RED) 2014/53/EU
Product Name:
Conversion module
Approval Holder Name:
Acrel Co., Ltd.
Gordon Hurst, Product Certifier

FCC of AWT100-FGHW/AWT100-WFHW/AWT100-LRHW

SGS-CSTC Standards Technical Services Co., Ltd.
Verification of Compliance

SGS-CSTC Standards Technical Services Co., Ltd.
Verification of Compliance

SGS-CSTC Standards Technical Services Co., Ltd.
Verification of Compliance

TIPS:

1. CSA

是加拿大标准协会（Canadian Standards Association）的简称，它成立于1919年，是加拿大首家专为制定工业标准的非盈利性机构。在北美市场上销售的电子、电器等产品都需要取得安全方面的认证。

2. EAC认证

是海关联盟国家的认证。海关联盟是由俄罗斯主导的一个经济集团，包括俄罗斯、白罗斯（原名“白俄罗斯”）、哈萨克斯坦三国。2015年EAC认证开始强制，获得EAC认证的产品可以直接在这三国进口和销售。

3. MID 认证

计量器具指令(Measuring Instruments Directive,简称 MID)2004/22/EC，欧盟已在2004年4月30日官方通报该指令，并于2006年的10月30日起强制实施，是欧盟用来监督管理计量器具的法规，通用全欧洲。此外，计量器具指令提供给制造商提供了产品进入欧洲的一个选择合格评定的路径的范围。该指令限定了十类计量器具产品，包括水表，气表和容积换算设备，电能表，热量表，计程器，废气分析仪，自动衡器等，范围覆盖了欧盟市场95%的在欧盟市场上销售的计量器具。

4. ROSH / REACH

REACH ：EC 1907/2006《关于化学品注册、评估、授权和限制的法规》（简称REACH）

ROHS：2002/95/EC（2011/65/EU）

ROHS是欧盟颁布的指令，需要各成员国转化为法规后执行；而REACH法规颁布后直接生效。

ROHS：The Restriction of the use of certain Hazardous Substances in electrical and electronic equipment，即《电气电子设备中某些有害物质的使用限制指令》。主要管控的是电子电器产品中的包括铅、镉、汞、六价铬、多溴联苯、多溴联苯醚六大有害物质的限制使用；

REACH管控的是所有商品，要求对有害化学物质进行注册、评估、授权和限制。

ROHS 对均质的单一物质中的有害物质含量的管控；

REACH是对产品或物质中的某一种有害化学物质的含量占产品或物质总量的管控。

ROHS2.0中增加了几种优先评估的有害物质，包含于REACH法规中，但二者是不可替代的。

5. CB / IEC

IEC是国际电工委员会（International Electrotechnical Commission）的缩写，是非政府性国际组织和联合国社会经济理事会的甲级咨询机构，正式成立于1906年成月，是世界上成立最早的专门国际标准化机构。总部设在日内瓦。1947年ISO成立后，IEC曾作为电工部门并入ISO，但在技术上、财务上仍保持其独立性。根据1976年ISO与IEC的新协议，两组织都是法律上独立的组织，IEC负责有关电工、电子领域的国际标准化工作，其他领域则由ISO负责。 IEC的宗旨是促进电工、电子领域中标准化及有关方面问题的国际合作，增进相互了解。为实现这一目的，出版包括国际标准在内的各种出版物，并希望各国家委员会在其本国条件许可的情况下，使用这些国际标准。IEC的工作领域包括了电力、电子、电信和原子能方面的电工技术。现已制订国际电工标准3000多个。

CB体系（电工产品合格测试与认证的IEC体系）是IECEE运作的一个国际体系，IECEE各成员国认证机构以IEC标准为基础对电工产品安全性能进行测试，其测试结果即CB测试报告和CB测试证书在IECEE各成员国得到相互认可的体系。目的是为了减少由于必须满足不同国家认证或批准准则而产生的国际贸易壁垒。IECEE 是国际电工委员会电工产品合格测试与认证组织的简称。

CB（认证机构）流程基于 IECEE“电工产品合格测试和认证的世界体系”的国际协议 而建立。它是该体系内的国家认证机构之间的协议，致力于电工产品审核结果的相互认可。

6. CE

CE代表欧洲统一（CONFORMITE EUROPEENNE）。CE认证是欧盟有关安全管控的认证，确保产品最基本的安全保障，即只限于产品不危及人类、动物和货品的安全方面的基本安全要求，而不是一般质量要求，协调指令只规定主要要求，一般指令要求是标准的任务。CE认证管控产品安全，不管控产品质量，CE标识也是一种安全认证标志，产品贴有CE标志，即可进入欧洲市场。

Memorandum