OIML Certificate

OIML Member State
The Netherlands

Number R46/2012-A-NL1-24.08 revision 0
Project number 3789787

Issuing authority	NMi Certin B.V. Person responsible: M.Ph.D. Schmidt
Applicant and Manufacturer	Zhejiang Reallin Electron Co Ltd. No.8 Shuangyang Rd. Renhe Town Yuhang District 311107 Hangzhou Zhejiang China
Identification of the certified type	An **Active electrical energy meter** Manufacturers mark: Reallin Type: E1010
Characteristics	See following page(s)

This OIML Certificate is issued under scheme A.

This Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML Type Evaluation Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

R 46-1/-2: 2012 "Active electrical energy meters"

Accuracy class B

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation identified above. This Certificate does not bestow any form of legal international approval.

This certificate and supporting reports comply with the requirements of OIML-CS-PD-07 clause 6.2.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Type Evaluation Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**
08 August 2024

Certification Board

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The conformity was established by the results of tests and examinations provided in the associated report(s):

- No. NMi-3789787-01 dated 12 Month 2024 that includes 51 pages;
- No. NMi-3789787-02 dated 12 Month 2024 that includes 13 pages.

Characteristics of the measuring instrument
In Table 1 the general characteristics of the measuring instrument are presented.
In Table 2 the characteristics of the family of instruments are presented.
The construction of the measuring instrument is recorded in the Documentation folder no. R46-2012-A-NL1-24.08-1.

Table 1 General characteristics

General characteristics	
Meter type	static
Connection mode (phase, wires, elements)	1p, 2w, 1e
Direction of energy flow / registers	Two-registers, bi-directional.
Terminal arrangement	BS (L-NN-L)
Protective class	Category 2
Environmental application	
Ambient temperature range	-25 °C to +55 °C (tested up to 60 °C)
Humidity class	H2
IP Rating / environmental use	IP54 / indoor
Meter quantities	
Nominal voltage (U_{nom})	220 V
Nominal frequency (f_{nom})	50 Hz
Maximum current (I_{max})	60 A
Reference current (I_b)	5 A
Transitional current (I_{tr})	0,5 A (I_b / 10)
Minimum current (I_{min})	0,25 A (I_b x 5%)
Starting current (I_{st})	0,02 A
Meter constant	1.000 imp./kWh
Product version	
Hardware version	Main board : DDSD-BJZ10-VA1.1_2024.03.19
Software identification	Version number: Z-BJ10VA-EM-2309-001 Checksum: 1223

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Certificate history:
This revision replaces the previous version.

Revision	Date	Description of the modification
0	12 August 2024	Initially issued