Certificate of Conformity

Number NMi-CoC-25.05 revision 0
Project number 3851894

Issued by	:	NMi Certin B.V. Thijsseweg 11 2629 JA Delft The Netherlands
Applicant	:	CET Electric Technology Inc. Floor 33-35, Building #6 Shenzhen International Innovation Valley Dashi First Road, Nanshan District, Shenzhen Guangdong, 518055 P.R. China
Submitted	:	**Power Quality Analyzer**

Manufacturer	:	CET Electric Technology Inc.
Type	:	iMeter 5
Destined for the measurement of	:	Electrical Power quality meter

In accordance with	:	See page 2
Characteristics	:	See page 3

The undersigned declares that the described product is tested according to the standards as referred to on page 2 and meets their requirements, based on a non-recurrent examination. The appertaining test data is presented in the type evaluation report NMi-3851894-01, granted by NMi.

NMi Certin B.V.
8 April 2025

Certification Board

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IEC 61000-4-30 Power Quality functions tested
The following IEC 61000-4-30 measurement methods have been tested

Table 1 IEC 61000-4-30 Power Quality functions tested

IEC 62586-2 Clause	Parameter	IEC 61000-4-30 class	Comments
6.1 / 7.1	Power frequency	**A + S**	50 and 60 Hz
6.2 / 7.2	Magnitude of supply voltage	**A + S**	
6.3 / 7.3	Flicker	**A + S**	Class F1 230 V 50 Hz, 60 Hz
6.4 / 7.4	Supply voltage interruptions, dips and swells	**A + S**	50 and 60 Hz
6.5 / 7.5	Supply voltage unbalance	**A + S**	
6.6 / 7.6	Voltage harmonics	**A + S**	
6.7 / 7.7	Voltage interharmonics	**A + S**	
6.8 / 7.8	Mains signalling voltages on the voltage supply	**A + S**	Method 1
6.9 / 7.9	Measurement of underdeviation and overdeviation parameters	**A + S**	
6.10 / 7.10	Flagging	**A + S**	
6.11 / 7.11	Clock uncertainty testing	**A + S**	
6.12 / 7.12	Variation of external influence quantities	**A + S**	Temperature: -25°C to + 70°C
6.13 / 7.13	Rapid Voltage Changes (RVC)	**A + S**	
6.14 / 7.14	Magnitude of current	**A + S**	
6.15 / 7.15	Harmonic current	**A + S**	
6.16 / 7.16	Interharmonic currents	**A + S**	
6.17 / 7.17	Current unbalance	**A + S**	
8	Calculation of measurement uncertainty and operating uncertainty	**A + S**	

A : compliance with class A
S : compliance with class S
--- : Not implemented

The tests are performed in accordance with IEC 62586-2.

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Characteristics of the measuring instrument	
Model	iMeter 5
Accuracy class	Class A and Class S
U_{ref}	230 VLN
I test	5 A
I_{max}	20 A
f_{ref}	50 Hz and 60 Hz
Temperature	Rated range of operation: -25 °C to +70°C
Power supply range	95-305VAC/VDC ± 10%, 47-440 Hz
Firmware measure version	**V1.50.00**
Software version	**V1.50.00**
Hardware version	**V1**

Certificate history:

Revision	Date	Description of the modification
0	8 April 2025	First issue