



OIML Certificate of Conformity

OIML Member State
The Netherlands

Number R46/2012-NL1-17.01
Project number 16200652
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Issuing authority
Person responsible: NMi Certin B.V.
C. Oosterman

Applicant and
Manufacturer: Networked Energy Services
5215 Hellyer Avenue, Suite 150
San Jose, CA 95138
United States of America

Identification of the
certified type: An **active electrical energy meters**
Type: 83334-3xxxxx

Characteristics: See page 2 and further

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: C

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.

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**
31 July 2017


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Head 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-16200652-05 dated 28 July 2017 that includes 53 pages.

Characteristics of the measuring instrument

In Table 1 the general characteristics of the measuring instrument are presented.
The construction of the measuring instrument is recorded in the Documentation folder no. T10916-1.

Table 1 General characteristics

General characteristics	
Meter type	static
Connection mode (phase, wires, elements)	3p, 4w, 3e
Direction of energy flow / registers	Two-registers, bi-directional.
Terminal arrangement	DIN
Protective class	Category 2
Environmental application	
Ambient temperature range	-40 °C to +70 °C (3k7)
Humidity class	H3
IP Rating / environmental use	IP54 / indoor
Meter quantities	
Nominal voltage (U_{nom})	3x110 V ... 3x230/400 V
Nominal frequency (f_{nom})	50 Hz or 60 Hz
Maximum current (I_{max})	100 A
Transitional current (I_{tr})	0,5 A ($I_b = 5$ A), 1 A ($I_b = 10$ A), 2 A ($I_b = 20$ A)
Minimum current (I_{min})	0,15 A
Starting current (I_{st})	0,02 A
Meter constant	1.000 imp./kWh
Product version	
Hardware version	Main board: 375-1495-51 rev A Rogowski board 375-1426-51 rev A Coil mount board: 375-1483-51 rev A
Software identification	Version number: 4.01.16 Checksum: 649B