

**OIML Member State**  
The Netherlands

Number R46/2012-NL1-15.01  
Project number 15200297  
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Issuing authority  
Person responsible: NMI Certin B.V.  
C. Oosterman

Applicant and  
Manufacturer: Networked Energy Services  
550 Meridian Avenue  
San Jose, CA 95126  
United States of America

Identification of the  
certified type: **A measuring instrument**  
Type: 83334-1Mxxx or 83344-1Mxxx

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: 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.

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**  
21 December 2015

  
C. Oosterman  
Head Certification Board

NMI Certin B.V.  
Hugo de Grootplein 1  
3314 EG Dordrecht  
the Netherlands  
T +31 78 6332332  
[certin@nmi.nl](mailto:certin@nmi.nl)  
[www.nmi.nl](http://www.nmi.nl)

This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

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Parties concerned can lodge objection against this decision, within six weeks after the date of submission, to the general manager of NMI (see [www.nmi.nl](http://www.nmi.nl)).



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

- No. NMI-15200297-07 dated 8 December 2015 that includes 55 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. T10701-2.

**Table 1 General characteristics**

<b>General characteristics</b>	
Meter type	static
Connection mode (phase, wires, elements)	1p, 2w, 1e
Direction of energy flow / registers	Two-registers, bi-directional.
Terminal arrangement	DIN or BS (DELTA)
Protective class	Category 2
<b>Environmental application</b>	
Ambient temperature range	-40 °C to +70 °C (3k7)
Humidity class	H3
IP Rating / environmental use	IP54 / outdoor
<b>Meter quantities</b>	
Nominal voltage ( $U_{nom}$ )	120 V ...240 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 ( $I_{min}$ )	0,25 A
Starting current ( $I_{st}$ )	0,02 A
Meter constant	1.000 imp./kWh
<b>Product version</b>	
Hardware version	375-1463-51 Rev C
Software identification	Version number: 4.01.01    Checksum: 165C