

OIML Member State
The Netherlands

Number R46/2012-A-NL1-20.02 revision 1
Project number 2439852
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Issuing authority NMI Certin B.V.
Person responsible: M. Boudewijns

Applicant and Manufacturer ZIV ALFANAR
Riyadh, Alfancar industrial city
New Alkharj Road, K.S.A.
Saudi Arabia

Identification of the certified type **A measuring instrument**
Type: 5CTB3CBS010AS00

Characteristics See page 2 and further

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.

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**
18 February 2021

Certification Board

The conformity was established by the results of tests and examinations provided in the associated reports:

- No. NMI-2439852-03 dated 26 June 2020 that includes 53 pages;
- No. NMI-2439852-03b dated 21 July 2020 that includes 53 pages;
- No. NMI-2439852-03c dated 16 February 2021 that includes 54 pages;
- No. NMI-2439852-04 dated 20 May 2020 that includes 16 pages;
- No. NMI-2439852-04a dated 16 February 2021 that includes 16 pages.

Characteristics of the measuring instrument

In Table 1 the general characteristics of the measuring instrument are presented.

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) – tested up to +75 °C as a specific customer requirement.
Humidity class	H1
IP Rating / environmental use	IP54
Meter quantities	
Nominal voltage (U_{nom})	3x133/230V...3x230/400V
Nominal frequency (f_{nom})	60 Hz
Maximum current (I_{max})	100 A
Transitional current (I_{tr})	1 A ($I_b = 10$ A)
Minimum current (I_{min})	0,5 A
Starting current (I_{st})	0,04 A
Meter constant	1.000 imp./kWh
Product version	
Hardware version	2R7
Software identification	2.9.7.



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Revision History

This revision replaces the previous versions.

Revision	Date	Change(s)
Initial	21-07-2020	Initial issue
1	18-02-2021	Editorial changes: Correction of OIML Certificate instead of OIML Certificate of Conformity