

OIML Member State
The Netherlands

Number R46/2012-A-NL1-24.11 revision 0
Project number 3802735
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Issuing authority NMI Certin B.V.
Person responsible: M.Ph.D. Schmidt

Applicant and Manufacturer GlobalTronics S.A.E
Mr. Hany Karawia
Lot 120, CPC Industrial Park, Northern Extension Area
12573/48, 6 October City, Giza
Egypt

Identification of the certified type An **Active electrical polyphase energy meter**
Manufacturers mark: GlobalTronics
Type: GE301-SS6

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**
12 September 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-3802735-03 dated 12 September 2024 that includes 41 pages;
No. NMI-3802735-04 dated 12 September 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-NL1-24.11-1.

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 (tested up to +75 °C)
Humidity class	H3
IP Rating / environmental use	IP54 / outdoor
Meter quantities	
Nominal voltage (U_{nom})	3x133/230-3x230/400 V
Nominal frequency (f_{nom})	60 Hz
Maximum current (I_{max})	160 A
Transitional current (I_{tr})	2 A ($I_b = 20$ A)
Minimum current (I_{min})	1 A
Starting current (I_{st})	0,08 A
Meter constant	1000 imp./kWh
Product version	
Hardware version	Main board: GE301-SS_V1.0-07-24 Modem board: BC301-V1.0-07-24
Software identification	Version number: WC207_G2100 2024-06-01 Checksum: 99C87C64



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Production location

The measuring instrument is produced at one of the following production locations:

- Production site (1) GlobalTronics S.A.E
Lot 120,CPC Industrial Park, Northen extension area
12573/48, 6 October City, Giza
Egypt
- Production site (2) GlobalTronics Saudi LLC
Modon Industrial Park
Al-Madina Al-Munawwara
Kingdom of Saudi Arabia

Certificate history:

Revision	Date	Description of the modification
0	12-09-2024	Initially issued