

**OIML Member State**  
The Netherlands

Number R46/2012-A-NL1-24.10 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-SSX

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 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.

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Issuing Authority **NMI Certin B.V., OIML Issuing Authority NL1**  
02 August 2024

Certification Board

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This document is digitally signed and sealed. The digital signature can be verified in the blue ribbon at the top of the electronic version of this certificate.



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

- No. NMI-3802735-02 dated 02 August 2024 that includes 43 pages;  
No. NMI-3802735-05 dated 02 August 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-NL1-24.10-1.

**Table 1 General characteristics**

<b>General characteristics</b>	
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
<b>Environmental application</b>	
Ambient temperature range	-40 °C to +70 °C (tested up to +75 °C)
Humidity class	H3
IP Rating / environmental use	IP54 / outdoor
<b>Meter quantities</b>	
Nominal voltage ( $U_{nom}$ )	3x133/230-3x230/400 V
Nominal frequency ( $f_{nom}$ )	60 Hz
Maximum current ( $I_{max}$ )	6 A
Transitional current ( $I_{tr}$ )	0,15 A ( $I_b = 1,5$ A)
Minimum current ( $I_{min}$ )	0,015 A
Starting current ( $I_{st}$ )	0,0015 A
Meter constant	10.000 imp./kWh
<b>Product version</b>	
Hardware version	Main board: GE301-SS_V1.0-07-24 Modem board: BC301-V1.0-07-24
Software identification	Version number: CT206_G2100 2024-06-01 Checksum: E93B24B8



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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:

This revision replaces the previous version.

Revision	Date	Description of the modification
0	02-08-2024	Initially released