

OIML Member State
The Netherlands

Number R46/2012-A-NL1-23.02 revision 0
Project number 3522680
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Issuing authority NMI Certin B.V.
Person responsible: M.Ph.D. Schmidt

Applicant and manufacturer Landis+Gyr AG
Alte Steinhauserstrasse 18
CH-6330 Cham
Switzerland

Identification of the certified type A static **Poly Phase Electrical Energy Meter**
Manufacturers mark: Landis+Gyr
Type: E860 (f9 – rack-mounted version)

Characteristics See following page(s)

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 D

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.

This certificate and supporting reports comply with the requirements of OIML-CS-PD-07 clause 6.2.

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Issuing Authority **NMI Certin B.V., OIML Issuing Authority NL1**
6 July 2023

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-3522680-14 dated 4 July 2023 that includes 55 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-NL1-23.02-1.

Table 1 General characteristics

General characteristics	
Meter type	static
Connection mode (phase, wires, elements)	3p, 4w, 3e 3p, 3w, 2e
Direction of energy flow / registers	Two-registers, bi-directional.
Terminal arrangement	Direct plug-in Essailec connectors
Protective class	Category 1
Environmental application	
Ambient temperature range	-25 °C to +55 °C
Humidity class	H1
IP Rating / environmental use	IP51 / indoor
Meter quantities	
Nominal voltage (U_{nom})	Nominal voltage U_n (3-phase, 4-wire) 3 x 58/100 to 69/120 V 3 x 110/190 to 133/230 V Nominal voltage U_n (3-phase, 3-wire) 3 x 100 to 120 V 3 x 190 to 230 V
Nominal frequency (f_{nom})	50 Hz or 60 Hz
Maximum current (I_{max})	$I_n = 1\text{ A}$ - I_{max} 1.2 A, 1.5 A, 2 A or 10 A $I_n = 5\text{ A}$ - I_{max} 6 A, 7.5 A or 10 A
Transitional current (I_{tr})	0.05 A ($I_n = 1\text{ A}$), 0.25 A ($I_n = 5\text{ A}$)
Minimum current (I_{min})	0.01 A ($I_n = 1\text{ A}$), 0.05 A ($I_n = 5\text{ A}$)
Starting current (I_{st})	0.001 A ($I_n = 1\text{ A}$), 0.005 A ($I_n = 5\text{ A}$)
Meter constant	5.000 imp/kWh, 10.000 imp/kWh, 20.000 imp/kWh, 40.000 imp/kWh, 50.000 imp/kWh, 100.000 imp/kWh, 200.000 imp/kWh

Product version	
Hardware version	S1
Software identification	Version number: U201.04.08 Checksum: 0647C93E6D9DEFE29B240DEA4CE847335645C1D246BE B47C848D6AC9B19AD19CD2CF594D83D253DD70F664 A10E006819

Production location

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

Landis+Gyr A.E.
78 km National Road Athens-Corinth
GR-20100 Corinth
Greece

Certificate history:

This revision replaces the previous version.

Revision	Date	Description of the modification
Initial	06-07-2023	Initial investigation of the meter type E860 (f9 – wall-mounted version)