



EU-type examination certificate

Number **T13022** revision 0
Project number 3939762
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Issued by

NMi Certin B.V.,
designated and notified by the Netherlands to perform tasks with respect to
conformity assessment procedures mentioned in article 17 of Directive
2014/32/EU, after having established that the measuring instrument meets
the applicable requirements of Directive 2014/32/EU, to:

Manufacturer

Weidmüller Interface GmbH & Co. KG
Klingenbergstrasse 26
32758, Detmold
Germany

Measuring instrument

A static **Active Electrical Energy Meter**

Type : EM122

Manufacturer's mark or name : Weidmüller

Reference voltage : 3x230/400 V; 3x400 V; 230 V

Reference current : 10 A

Destined for the measurement of : electrical energy, in a
- three-phase four-wire network
- three-phase three-wire network
- single-phase two-wire network

Accuracy class : B or C

Environment classes : M1 / E2

Temperature range : -40 °C / +70 °C

Further properties are described in the annexes:

- Description T13022 revision 0;
- Documentation folder T13022-1.

Valid until

17 November 2035

Initially issued

17 November 2025

Issuing Authority

NMi Certin B.V., Notified Body number 0122
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Certification Board

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1 General information about the instrument

All properties of the static active electrical energy meter, whether mentioned or not, shall not be in conflict with the legislation.

1.1 Essential parts

Description	Document	Remarks
measuring sensor - shunt sensor	13022/0-04, 13022/0-05	
printed circuit board - EM122-RTU-MID - EM122-MBUS-MID - EM122-TCP-MID	13022/0-14, 13022/0-15 13022/0-14, 13022/0-16 13022/0-14, 13022/0-17	All parts of the printed circuit boards are essential, except the components which are related to parts as described in paragraph 1.4 or 1.6.

1.2 Essential characteristics

- 1.2.1 See EU-Type examination certificate T13022 revision 0 and the characteristics mentioned below.
- 1.2.2 Approved meter types : EM122-RTU-MID, EM122-MBUS-MID, EM122-TCP-MID
An explanation of all type designations is presented in document no. 13022/0-02.
- 1.2.3 Frequency : 50 Hz or 60 Hz
- 1.2.4 Meter constant : 400 imp./kWh
- 1.2.5 Number of registers : 2 registers
- 1.2.6 Error messages : See document no. 13022/0-06.
- 1.2.7 Registration method : The following registration methods are allowed:
- measurement of energy as the sum of import and export (absolute import energy + absolute export energy)
- 1.2.8 Phase sequence : the meter is not sensitive to the direction of the applied phase sequence.
- 1.2.9 Export energy : the meter is capable of measuring energy in 2 directions.
- 1.2.10 Software specification (refer to WELMEC 7.2):
- Software type P;
 - Risk Class C;
 - Extension L, T and I3, while extensions O, D and S are not applicable.

Software version	Identification number (checksum)	Remarks
1.04	78F39643	EM122-RTU-MID
1.04	6C17D2DD	EM122-MBUS-MID
1.04	894DEF0A	EM122-TCP-MID

The software version is displayed in the display sequence.