



# 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  
Klingenbergsstrasse 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**

17 November 2025

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.