

## Energy meter - taxxo E 100-3-MID

Item No 05.25.0004.1 / EAN Code 4010940044114



### PRODUCT DESCRIPTION

The taxxo E 100-3-MID is most suitable for monitoring more than just one consumer. This energy meter covers seven module widths. The three-phase connection allows the recording of consumption of multiple users over a three-phase circuit. The device is suitable for billing in multi-party houses, in shopping malls or at camp sites and marinas. The amount of energy consumed per shift can be verified in shift work.

- ▶ High accuracy and maximum reliability through MID certification for custody transfer
- ▶ Optimal tamper protection through sealable housing
- ▶ Indication of the system state through the systemstate and radio signal strength LEDs

### APPLICATIONS

- ▶ Electrical energy consumption measurement
- ▶ Electrical heating facilities
- ▶ Installation in industrial or switching systems or other consumers of heavy current, power current, construction current and three-phase current
- ▶ Office complexes
- ▶ Camping and gardening facilities
- ▶ Separate areas, e.g. in apartment buildings
- ▶ Charging stations for electric cars
- ▶ Shopping centres
- ▶ Exhibition halls
- ▶ Marinas
- ▶ Building services and wear monitoring for plants or machines

### TECHNICAL DATA

#### Electrical Data

Interface	S0
Supply voltage	AC 230 V $\pm$ 20 % 50 Hz $\pm$ 10 % AC 400 V $\pm$ 20 % 50 Hz $\pm$ 10 %
Phase	3
Withstand voltage at mains frequency	4 kV
Rated impulse withstand voltage (Uimp)	6 kV
Impulse voltage	DC 12 - 27 V
Base current (Ib)	5 A
Initial current	0.004 Ib
Maximum current (Imax)	100 A
Minimum current (Imin)	0,25 A
Impulse current	27 mA
Impulse	1,000 Impulse/kWh
Impulse duration	30 - 80 ms
Power consumption	10 VA
Power loss	2 W
Accuracy class	B (MID)

#### Power connection

Device	Latching screw with wire protection 18 mm <sup>2</sup> ... 28 mm <sup>2</sup>
Cable length	20 m

#### Communication method

Wired	4-wired
Status indicator	LED

#### Operating specifications

Tempering protection	Lead-sealable
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#### Display and format

Consumption indicator	Digital (7 digits) kWh
Status indicator	Pulse indicator (LED) Sensor status indicator

**Operating conditions**

Temperature (operation)	-25 °C ... +55 °C
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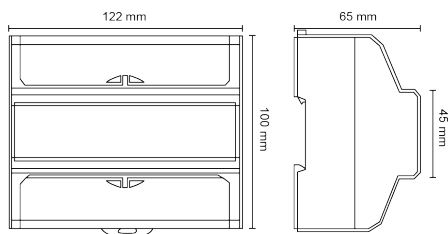
**General specifications**

Number of modules	7
Colour	Grey
Dimension	100 x 122 x 65 mm
Mounting	DIN rail

**Compliance with standards**

Protection type	IP51
Protection class	II, according to corresponding mounting
Approval mark	CE, MID
Standards and guidelines	DIN 43684, EN 50470-1, EN 50470-3

**DIMENSIONAL DRAWINGS**



**CIRCUIT DIAGRAMS**

