

Energy Meters

Applications

- Energy billing in houses
- Energy consumption control
- Facility management
- DIN rail mounting
- Long-lasting, maintenance free technology

	Voltage	EAN-Code 4010940	Ord.-No.
	<p>taxxo M 45-1</p> <p>230 V AC</p> <ul style="list-style-type: none"> • Mechanical • 6 digits display • Sealable 	044084	05.25.0001.1
	<p>taxxo ER 80-1</p> <p>230 V AC</p> <ul style="list-style-type: none"> • Digital • Double display, 6 digits • Reset function • Sealable 	044107	05.25.0003.1
	<p>taxxo E 45-1-MID</p> <p>230 V AC</p> <ul style="list-style-type: none"> • Digital • 7 digits display • Sealable 	044091	05.25.0002.1
	<p>taxxo E 100-3-MID</p> <p>3 X 230/400 V AC</p> <ul style="list-style-type: none"> • Digital • 7 digits display • Sealable 	044114	05.25.0004.1

Technical Data

	taxxo M 45-1	taxxo ER 80-1	taxxo E 45-1-MID	taxxo E 100-3-MID
Dimensions H x B x T (mm)	118 x 18,2 x 63	100 x 36,5 x 65,5	118 x 18,2 x 63	100 x 122 x 65
Connections	230 V AC, ±20%	230 V AC, ±20%	230 V AC, ±20%	3 x 230/400 V AC, ±20%
Basic current (Ib)	5 A	5 A	5 A	5 A
Limit current (I _{max})	45 A	80 A	45 A	100 A
Minimum current (I _{min})	0,25 A	0,25 A	0,25 A	0,25 A
Connection mode	direct	direct	direct	direct
Initial current	0,004 Ib	0,004 Ib	0,004 Ib	0,004 Ib
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Internal consumption	≤ 0,4 W / ≤ 8 VA	≤ 0,4 W / ≤ 8 VA	≤ 0,4 W / ≤ 8 VA	≤ 2 W / ≤ 10 VA
Pulse output	1000 imp/kWh	1000 imp/kWh	1000 imp/kWh	1000 imp/kWh
Pulse output SO				
– Voltage	12-27 VDC	12-27 VDC	12-27 VDC	12-27 VDC
– Current	≤ 27 mA	≤ 27 mA	≤ 27 mA	≤ 27 mA
– Max. line length	20 m	20 m	20 m	20 m
– Pulse duration	90 ms	50 ms	80 ms	30-80 ms
Ambient temperature	-20°C ... +55°C	-20°C ... +55°C	-25°C ... +55°C	-25°C ... +55°C
Accuracy class	B(1)	B(1)	B(1)	B(1)
Protection type	IP 20	IP 20	IP 20	IP 20
Protection class	II	II	II	II
Max. terminal capacity	6 mm ²	6 mm ²	16 mm ²	20 mm ²
Insulating ability				
– Electric strenght AC	4 kV for 1 minute	4 kV for 1 minute	4 kV for 1 minute	4 kV for 1 minute
– Pulse withstand voltage	6 kV – 1.2 μS wave form	6 kV – 1.2 μS wave form	6 kV – 1.2 μS wave form	6 kV – 1.2 μS wave form
Standards	EN50470-1, EN50470-3, IEC62053-21, IEC62052-11	EN50470-1, EN50470-3, IEC62053-21, IEC62052-11	EN50470-1, EN50470-3, IEC62053-21, IEC62052-11	EN50470-1, EN50470-3, IEC62053-21, IEC62052-11
Pulse output	DIN43684	DIN43684	DIN43684	DIN43684

Dimensional drawings / circuit diagrams:

