

Technical Specification



- ✓ For industrial applications and billing purposes
- ✓ Smallest possible standard housing 1 pitch
- ✓ DIN-Rail mounting acc. to IEC 60715
- ✓ Bus capable: M-Bus-interface
- ✓ Impulse output S0
- ✓ LC-display with 6 digits
- ✓ Measuring of instantaneous values
- ✓ **With EC type-examination certificate**
acc. to directive 2004/22/EG
(MID = **M**asuring **I**nstrument **D**irective)

MIZ



Mini Industry Meter

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Mini Industry Meter MIZ

Electricity meter for measuring active energy

Voltage	2-wire meter	230 V
Current		0,25-5(25) A or 0,25-5(32) A
Starting current		20 mA
Frequency		50 Hz
Accuracy	active energy	Cl. B accord. to EN 50470-1, -3
Measuring types	active energy	+A
Meter constants	LED output	5 000 Imp./kWh 1 000 Imp./kWh
Energy registers		1 tariff register
Data retention time		without voltage in the FLASH / EEPROM, at least 20 years
Display	version number of digits digitness digit size in the value range display of instantaneous values	LCD 6 5,1 approx. 2,7 x 6,25 (W x H) mm scrolling
Operation (option)	operation button	for operation of display
Data interfaces (option)	M-Bus	accord. to DIN EN 13757-2, -3 (300...9600 baud)
Output	number S0-output pulse length	1 maximum 27 V DC, 27 mA (passive) 50 ms
Energy supply	capacitor power supply	from the measuring voltage
Power consumption	voltage path	< 0,4 W
EMC-characteristics	isolation resistance surge voltage resistance against HF-fields	isolation: 4 kV AC, 50 Hz, 1 min EMC: 4 kV, impulse 1,2/50 µs, 2 Ω ISO: 6 kV, impulse 1,2/50 µs, 500 Ω 10 V/m (under load)
Temperature range	operating limit storage	-25°C...+55°C -40°C...+70°C -40°C...+70°C
Relative humidity		95%, non-condensing accord. to IEC 62052-11, EN 50470-1 and IEC 60068-2-30
Housing	dimensions class of protection degree of protection material fire characteristics weight	DIN 43880 (1 pitch wide = 18 mm) 2 housing, terminals: IP 20 polycarbonate glass-fibre-reinforced accord. to IEC 62052-11 approx. 67,5 g
Connection-cross section	current- / neutral conductor auxiliary terminals	maximum 6 mm² maximum 2,5 mm²
Further features	measuring of instantaneous values	power, voltage, current, frequency and power factor

Following meter types are available:

	„Silver“	„Gold“	„Premium“
Voltage	230 V	230 V	230 V
Current	0,25-5(25) A	0,25-5(32) A	0,25-5(32) A
Features	impulse output	impulse output, instantaneous values	impulse output, instantaneous values, M-Bus-interface, operation button, display lighting

Product specifications are subject to change without notice!



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