

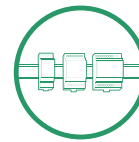
MIZ



MINI INDUSTRIAL METER

- FOR INDUSTRIAL APPLICATIONS AND INVOICING PURPOSES
- SMALLEST POSSIBLE STANDARD DESIGN 1 HP
- DIN RAIL ASSEMBLY AS PER EN 60715
- BUS-ENABLED: M-BUS INTERFACE
- PULSE TRANSMITTER S0
- RECORDING OF INSTANTANEOUS VALUES
- WITH EC-TYPE EXAMINATION CERTIFICATE AS PER DIRECTIVE 2014/32/EU





MIZ		Mini industrial meter
Voltage	2-conductor meter	230 V
Current		0.25 –5 (32) A
Starting current		20 mA
Utilisation category	UC (Utilisation Category)	UC1 (as per EN 62052-31)
Frequency		50 Hz
Accuracy	Active energy	Cl. B (as per EN 50470-1, -3)
Measuring types	Active energy	+A
Pulse values	LED Output	5,000 pulse/kWh 1,000 pulse/kWh
Energy registers	Quantity	1 tariff register
Data preservation		Voltage-free in EEPROM, at least 20 years
Display	Version Number of digits Arity Digit size in value range Display of instantaneous values	LC display 6 5.1 Approx. 2.7 x 6.25 (W x H) mm Scrolling
Operation (optional)	Mechanical button	For calling the display
Data interface (optional)	M-Bus	As per DIN EN 13757-2, -3 (300...9600 baud)
Output	Quantity SO output Pulse length	1 Max. 27 V DC, 27 mA (passive) 50 ms
Energy supply	Capacitor power supply	From measuring voltage
Auxiliary power	Voltage circuit	< 0.4 W
Safety characteristics	Over voltage category (OVC) Rated peak withstand voltage	OVC III (as per EN 62052-31) 4 kV (as per EN 62052-31)
EMC characteristics	Insulation strength Surge voltage Resistance to HF fields	Insulation: 4 kV AC, 50 Hz, 1 min EMC: 4 kV, pulse 1.2/50 µs, 2 Ω ISO: 6 kV, pulse 1.2/50 µs, 500 Ω 10 V/m (under load)
Temperature range	Defined operating range Limit range for storage and transport	–25 °C...+55 °C –40 °C...+70 °C
Altitude		Operation up to 2,000 m
Humidity		Maximum 95%, non-condensing, as per EN 62052-11, EN 50470-1 and EN 60068-2-30
Environmental conditions	Mechanical Electromagnetic Intended operating location	M1 according to the Measuring Instruments Directive (2014/32/EU) E2 according to the Measuring Instruments Directive (2014/32/EU) Interior as per EN 50470-1
Housing	Dimensions Protection class Degree of protection of housing, connections Housing material Fire properties	DIN 43880 (1 HP wide = 18 mm) II IP 20 Glass-fibre reinforced polycarbonate, halogen-free, recyclable As per EN 62052-31
Weight		Approx. 65 g
Connection cross sections	Conductor / neutral conductor terminals Additional terminals	Max. 6 mm ² Max. 2.5 mm ²
Additional equipment features	Recording of instantaneous values	Power, voltage, current, mains frequency, power factor

Device versions	“Gold”	“Premium”
Voltage	230 V	230 V
Current	0.25 –5 (32) A	0.25 –5 (32) A
Equipment features	Pulse output, Instantaneous values	Pulse output, Instantaneous values, M-Bus interface, Control button, Display lighting

Subject to technical changes.

