

# MT176

## THREE PHASE ELECTRICITY METER.



The MT176 three phase meter was developed specifically for the German market and meets the specifications of the FNN MS2020 project as well as other market requirements.

## FEATURES

The meter is particularly suitable for measuring points with limited space availability.

It is characterized by the following properties:

- Long-term stability of measurement accuracy.
- Great reliability and long service life.
- Suitable for photovoltaic systems (EEG systems).
- Smart Meter Gateway (SMGW) can be set up as a piggyback.
- Direct exclusion on SMGW.
- Data security according to BSI requirements.
- Compact housing made of self-extinguishing polycarbonate.
- Two-line information display.
- LMN communication interface in the terminal block.
- Front INFO IR communication interface.

## KEY BENEFITS

- COSEM/OBIS.
- Magnetic field manipulation detection.
- Uni-directional or bi-directional energy measurement.
- DIN terminal block.
- Suitable for EEG systems.
- External tariff setting using two auxiliary terminals according to EDL LH specification.
- Consumption since last reset.
- Data protection via PIN.
- Terminal block cover position detection.
- Display of historical values.
- Signature formation.
- SML, TLS, HDLC.

### MT176-D1 SLP

#### TYPE OVERVIEW

<b>Network</b>	Low voltage	•
<b>Connection type</b>	1P2W	•
	3P4W	•
<b>Communication</b>	LMN interface	•
	INFO interface	•

#### TECHNICAL SPECIFICATIONS

Nominal voltage Un			3 x 230/400 V, 230 V
Voltage range			0.8 Un – 1.15 Un
Current	Nominal current	Ib	5 (60) A
Accuracy class	Active energy		MID A (EN 50470 – 3)
Temperature range (EN 50470 – 1)	Operation		-25°C to +55°C
	Storage		-40°C to +80°C
Ingress protection of water and dust (EN 60529)			IP54

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