

PMH PM 600 - mobile current/ effective power meter

Mobile current/effective power meter suitable for:
Check Box M6/ Check Box M1-M5/ Check Box 500
mobile

Features & Benefits

- ▶ Magnetic voltage measuring tips for measuring the voltage during operation
- ▶ Hinged current transformers encompass the conductors of the phases L1, L2, L3. This can also be done during operation
- ▶ All measured data are transferred digitally (Modbus) to Check Box M6/ Check Box M1-M5 and can be recorded there.
- ▶ Current transformer can be opened

Third party sensor connectable

- ▶ Third-party sensor 0 - 1/10 V
- ▶ Third-party sensor RS 485 Modbus RTU
- ▶ Third-party sensor Pulse
- ▶ Third-party sensor 0/4-20 mA

Measures voltage, current and calculates:

- ▶ Active power [kW]
- ▶ Apparent power [kVA]
- ▶ Reactive power [kVar]
- ▶ Active energy [kWh]
- ▶ Cos phi



Special features:



Magnetic voltage
measuring
tips electrically
isolated



Example:
Measurement at
a compressor

Current/effective power meter	Order no.
PMH PM 600 mobile current/effective power meter up to 100 A	2255332531
PMH PM 600 mobile current/effective power meter up to 600 A	2255332532
<ul style="list-style-type: none"> - Mobile current effective power meter with 3 external current transformers for big machines and plants • External current transformers for clamping around the phases (100 A or 600 A) • External magnetic measuring tip for measuring the voltage • measures kW, kWh, cos, phi, kVar, kVA • Data transfer to Check Box M6 / Check Box M1-M5 via Modbus • Incl. connection cable for mobile current/effective power meter to mobile instruments, 5 m 	
Current transformer 100A/1A consisting of 3 transformers for mobile instruments	2255332533
Current transformer 600A/1A consisting of 3 transformers for mobile instruments	2255332534
Current transformer 1000A/1A consisting of 3 transformers for mobile instruments	2255332535

Any third-party sensor connectable
<p>Additionally, any third-party sensors with the following signal outputs can be connected:</p> <ul style="list-style-type: none"> • 4-20 mA • 0-20 mA • 0-1 V / 0-10 V / 0-30 V • Pt 100 (2- or 3-wire) • Pt 1000 (2- or 3-wire) • Pulse outputs (e. G. of gas gas meters) • Frequency output • Modbus protocol

Technical data PMH PM 600	
Parameters	Voltage (Volt) Current (Ampere) Cos phi Active power (kW) Apparent power (kVA) Reactive power (kVar) Active energy (kWh) Supply frequency (Hz) All parameters are transferred digital to Check Box M6/ Check Box M1-M5
Accuracy current measurement	Threshold values for current deviation. Loss angle according to IEC 60044-1. Current deviation in % at rated current in 120 % 1 100 % 1 20 % 1,5 5 % 3
Accuracy active energy	IEC 62053-21 Class 1
Sensor connections	3 x current transformers (L1,L2,L3,N) 4 x voltage measurement (L1,L2,L3,N)
Interface	RS 485 (Modbus protocol)
Measure range	Voltage measurement max. 400 Volt Current measurement max. 100 A resp. 600 A
Size current transformers	100 A / 1 A (max. 24 mm wire) 600 A / 1 A (max. 36 mm wire)
Dimensions case	270 x 225 x 156 mm (B x H x T)
Operating temperature	- 10-+40°C