



Multifunction

CS PM 600

Mobile current/effective power meter suitable for DS 500 mobile

Measures voltage, current and calculates:

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

All measured data are transferred digitally (Modbus) to DS 500 mobile and can be recorded there.



Example: Measurement at a compressor



Hinged current transformers

Magnetic voltage measuring tips electrically isolated

Special advantages:

- 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.



Technical data:

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 digitally to DS 500 mobile.

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)
4 x voltage measurement (L1, L2, L3, N)

Interfaces: RS 485 (Modbus protocol)

Meas. range: Voltage measurement max. 400 Volt
Current measurement max. 100 A resp. 600 A

Size current transformer: 100 A / 1 A (max. 28 mm conductor)
600 A / 1 A (max. 42 mm conductor)

Dimensions case: 270 x 225 x 156 mm (W x H x D)

Operating temperature: -10...+40°C

Description	Order no.
CS PM 600 current/effective power meter up to 100 A	0554 5341
CS PM 600 current/effective power meter up to 600 A	0554 5342
- 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 DS 500 mobile via Modbus Connection cable for mobile current/effective power meter to DS 500 mobile, 5 m 0553 0506	