

CS PM 600 - Mobile current/effective power meter suitable for: DS 500 mobile / DS 400 mobile / PI 500

Measures voltage, current and calculates:

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



Magnetic voltage measuring tips electrically isolated



Special features:

- Magnetic voltage measuring tips for picking off 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 DS 500 mobile/ DS 400 mobile and can be recorded there.



Example: Measurement on the compressor

TECHNICAL DATA CS PM 600

Parameters:	Voltage (Volt) Current (Ampere) Cos phi Effective power (kW) Apparent power (kVA) Reactive power (kVar) Active energy (kWh) Power frequency (Hz) All parameters are transferred digitally to DS 500 mobile /DS 400 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,N) 4 x voltage measurement (L1,L2,L3,N)
Interfaces:	RS 485 (Modbus protocol)
Measuring range:	Voltage measurement max. 400 Volt Current measurement max. 100 A or 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

DESCRIPTION	ORDER NO.
CS PM 600 mobile current/effective power meter 100 A	0554 5341
CS PM 600 mobile current/effective power meter 600 A	0554 5342
<ul style="list-style-type: none"> • Mobile current/effective power meter with 3 external current transformers for big machines and systems • External current transformers for encompassing the phases (100 A or 600 A) • External magnetic measuring tip for measuring the voltage • Measures kW, kWh, cos, phi, kVar, kVA • Data transfer 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	Z554 0001
Current transformer 600A/1A consisting of 3 transformers for mobile instruments	Z554 0002
Current transformer 1000A/1A consisting of 3 transformers for mobile instruments	Z554 0003