

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

Measures voltage, current and calculates:

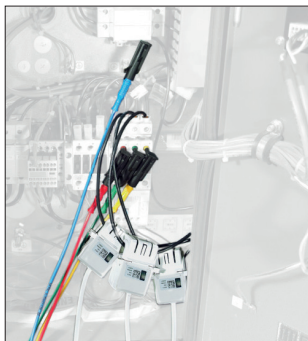
Effective power [kW]
Apparent power [kVA]
Reactive power [kVar]
Active energy [kWh]
Power Factor

All measured data are transferred digitally (Modbus) to DS 500 mobile/ DS 400 mobile and can be recorded there.

Current transformer can be opened

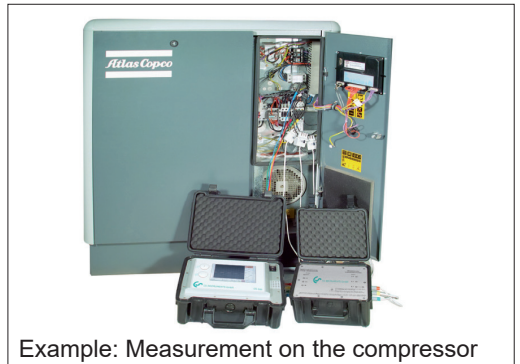


Magnetic voltage measuring tips electrically isolated



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



Example: Measurement on the compressor

TECHNICAL DATA CS PM 600

Parameters:

Voltage (Volt)
Current (Ampere)
Power Factor
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)

Interfaces:

RS 485 (Modbus protocol)

Measuring range:

Voltage EU: 400V/3/50Hz
Voltage US: 480V/3/60Hz

Size current transformers:

Current measurement max. 100 A or 600 A

100 A / 1 A
(max. 0.94 inch wire),
600 A / 1 A
(max. 1.42 inch wire)

Dimensions case:

10.6 x 8.8 x 6.1 inch
(B x H x T)

Operating temperature:

14...104 °F

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, 16 ft 	
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