



## CS PM 600

### Mobile current/effective power meter suitable for DS 500 mobile / DS 400 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/ DS 400 mobile** and can be recorded there.



Example: Measurement at a compressor



Hinged current transformers

Magnetic voltage measuring tips electrically isolated

### Special features:

- 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:

<b>Parameters:</b>	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 / DS 400 mobile
<b>Accuracy current measurement:</b>	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
<b>Accuracy active energy:</b>	IEC 62053-21 Class 1
<b>Sensor connections:</b>	3 x current transformers (L1,L2,L3,N) 4 x voltage measurement (L1,L2,L3,N)
<b>Interfaces:</b>	RS 485 (Modbus protocol)
<b>Measuring range:</b>	Voltage measurement max. 400 Volt Current measurement max. 100 A resp. 600 A
<b>Size current transformer:</b>	100 A / 1 A (max. 24 mm conductor) 600 A / 1 A (max. 36 mm conductor)
<b>Dimensions case:</b>	270 x 225 x 156 mm (W x H x D)
<b>Operating temperature:</b>	- 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
<ul style="list-style-type: none"> <li>• Mobile current effective power meter with 3 external current transformers for big machines and plants</li> <li>• External current transformers for clamping around the phases (100 A or 600 A)</li> <li>• External magnetic measuring tip for measuring the voltage</li> <li>• measures kW, kWh, cos, phi, kVar, kVA</li> <li>• Data transfer to DS 500 mobile / DS 400 mobile via Modbus</li> <li>• Incl. connection cable for mobile current/effective power meter to mobile instruments, 5 m</li> </ul>	
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