



## 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	[Cos Phi]

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

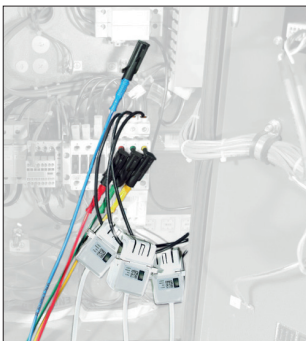


Current transformer can be opened



Example: Measurement on the compressor

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

### TECHNICAL DATA CS PM 600

<b>Parameters:</b>	Voltage (Volt) Current (Ampere) Power Factor (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
<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)
<b>Interfaces:</b>	RS 485 (Modbus protocol)
<b>Measuring range:</b>	Voltage EU: 400V/3/50Hz Voltage US: 480V/3/60Hz
<b>Size current transformers:</b>	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)
<b>Dimensions case:</b>	10.6 x 8.8 x 6.1 Inches (B x H x T)
<b>Operating temperature:</b>	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"> <li>• Mobile current/effective power meter with 3 external current transformers for big machines and systems</li> <li>• External current transformers for encompassing 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 via Modbus</li> <li>• Incl. connection cable for mobile current/effective power meter to mobile instruments, 16 ft.</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