



DP 510 Portable dew point meter with data logger and third-party sensor

Performing measuring tasks with one instrument

DP 510 disposes of all functions of DP 500 and has an **additional freely assignable sensor input**.

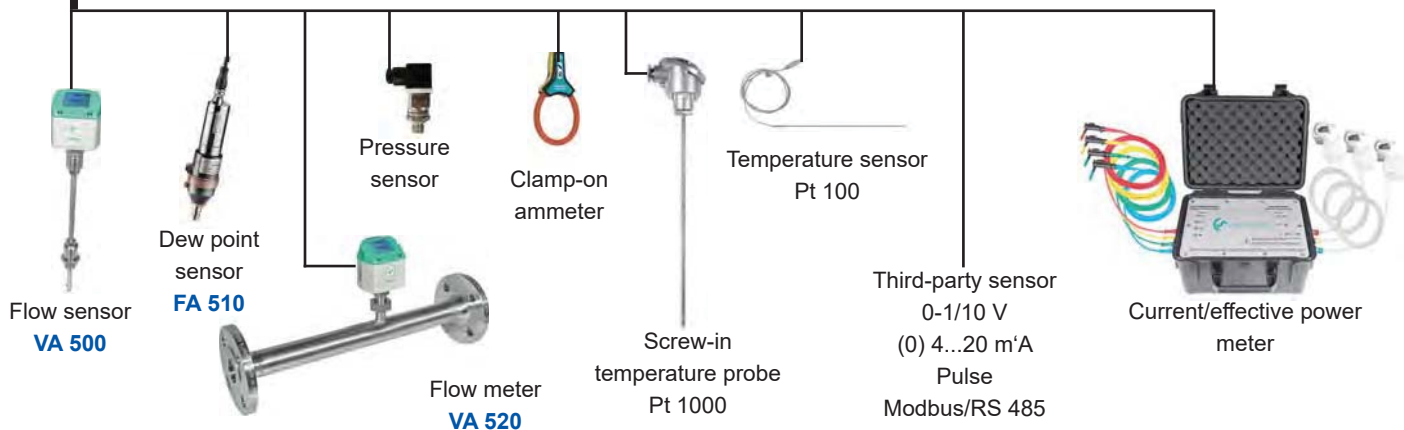
Additionally to the internal dew point measurement one further optional sensor can be connected.

So the user can meet nearly all industrial measuring tasks like for example:

- Separate pressure measurement
- Dew point distance via external temperature sensor
- Compressed air consumption measurement
- Active power in kWh/kW



Description	Order No.
Set DP 510 in a case - consisting of:	0600 0510
- Portable dew point meter DP 510 with one additional sensor input	0560 0510
- Mobile measuring chamber up to 16 bar	0699 4490
- Diffusion-tight PTFE hose with quick connector, length 1 m	0554 0003
- Power supply for DP 500/510	0554 0009
- Control and calibration set 11.3 % RH	0554 0002
- Quick-lock coupling	0530 1101
- Dry container for CS dew point sensors	0699 2500
- Transportation case (big) for DP 510 as well as further sensors	0554 6510
Further options, not included in the set	
Option „Mathematics calculation function“ for 4 freely selectable channels, (virtual channels): addition, subtraction, division, multiplication	Z500 5107
Option „Totalizer function for analogue signals“	Z500 5106
CS Soft Basic - data evaluation in graphic and table form - reading out of the measured data via USB stick	0554 7040
Precision calibration at -40°Ctd or 3°Ctd with ISO certificate	0699 3396
Additional calibration point freely selectable in the range between -80...+20°Ctd	0700 7710
High pressure measuring chamber up to 350 bar	0699 3590
Measuring chamber for atmospheric dew point	0699 3690
Measuring chamber for granulate driers with minimum overpressure	0699 3490
Portable dew point meter DP 510 for compressed air and gases (high pressure version up to 350 bar)	0560 0512





Suitable sensors for DP 510

Flow sensors VA 500:	Order No.
Flow sensor VA 500 Max. Version (185 m/s) sensor length 220 mm, incl. 5 m cable to mobile instruments	0695 1124
Flow sensor VA 500 High-Speed Version (224 m/s), sensor length 220 mm, 5 m cable to mobile instruments	0695 1125
Options for VA 500: (see page 81)	
Flow measuring range VA 520 for compressed air:(ISO 1217: 1000 mbar, 20°C)	
Flow meter VA 520, 0,8... 90 l/min, (R 1/4" DN 8)	0695 0520
Flow meter VA 520, 0,2... 90 m³/h, (R 1/2" DN 15)	0695 0521
Flow meter VA 520, 0,3... 170 m³/h, (R 3/4" DN 20)	0695 0522
Flow meter VA 520, 0,5... 290 m³/h, (R 1" DN 25)	0695 0523
Flow meter VA 520, 0,7... 480 m³/h, (R 1 1/4" DN 32)	0695 0526
Flow meter VA 520, 1,0... 550 m³/h, (R 1 1/2" DN 40)	0695 0524
Flow meter VA 520, 2,0... 900 m³/h, (R 2" DN 50)	0695 0525
Dew point sensors:	
FA 510 dew point sensor for mobile instruments, -80...+20°Ctd, incl. mobile measuring chamber, 5 m cable and perforated cap	0699 1510
FA 510 dew point sensor for mobile instruments, -20...+50°Ctd, incl. mobile measuring chamber, 5 m cable and perforated cap	0699 1512
Connection cable for VA/FA sensors:	
Connection cable for VA/FA series on mobile instruments, ODU / M12, 5m	0553 1503
Extension cable for mobile instruments ODU/ODU, 10m	0553 0504
Pressure sensors: (further pressure sensors, please see on page 24)	
Standard pressure sensor CS 16 from 0...16 bar, ± 1 % accuracy of full scale	0694 1886
Standard pressure sensor CS 40 from 0...40 bar, ± 1 % accuracy of full scale	0694 0356
Temperature sensors:	
Bendable temperature probe PT 100 (2-wire) class A, length: 300 mm, d=3 mm, -70°C to +500°C, connection cable PFA, 2 m with ODU-plug (8 pole) to mobile instruments	0604 0200
Screw-in temperature probe PT 100 class A, length: 300 mm, d=6mm, with integrated transducer 4...20 mA = -50°C...+500°C (2-wire)	0604 0201
Cross-band surface temperature probe, thermocouple Type K, with integrated transducer 4...20 mA = 0°C...+180°C, 2 m connection cable (PVC) with ODU-plug (8-pole) to mobile instruments	0604 0202
Temperature probe PT 100 class A (4-wire) with cable, length: 300 mm, d=6 mm, -70°C to +260°C, 5 m connection cable (PFA) with open ends	0604 0205
Temperature probe PT 100 class A (4-wire) with cable, length: 100 mm, d=6 -70°C to +260°C, 5 m connection cable (PFA) with open ends	0604 0206
Temperature probe PT 100 class A (4-wire) with cable, length: 200 mm, d=6 -70°C to +260°C, 5 m connection cable (PFA) with open ends	0604 0207
Surface temperature probe, magnetic, magnet dimensions 39x26x25 mm, PT 100 class B (2-wire), -30 to +180°C, 5 m connection cable (PFA) with open ends	0604 0208
Clamp screwing 6mm; G 1/2" PTFE clamp ring pressure tight up 10 bar material: stainless steel, temperature range: max. +260°C	0554 0200
Clamp screwing 6mm; G 1/2" stainless steel clamp ring pressure tight up to 16 bar, material: stainless steel, temperature range: max. +260°C	0554 0201
Temperature calibration certificate 2 measuring points	0520 0180
Connection cables for pressure sensors / temperature sensors:	
Connection cable for pressure, temperature or external sensors on mobile instruments, 5 m	0553 0501
Connection cable for pressure, temperature or external sensors on mobile instruments, 10 m	0553 0502
Mounted Odu plug for connection on mobile instruments	Z604 0104
Clamp-on ammeters:	
Clamp-on ammeter 0...400 A TRMS incl. 5 m connection cable	0554 0511
Clamp-on ammeter 0...1000 A TRMS incl. 5 m connection cable	0554 0519
Calibration certificate for clamp-on ammeter	0554 3333
Current/effective power meter up to 100 A	
Current/effective power meter up to 600 A	
- Mobile current/effective power meter with 3 external current transducers for big machines and plants, - External current transformers for clamping on cables (100 or 600 A), - External magnetic measuring tips for measuring the voltage, -Measures kW, kWh, cos phi, kVar, KVA, - Data transfer for DP 510 via Modbus, - incl. connection cable for mobile current/effective power meter to DP 510, 5 m	

