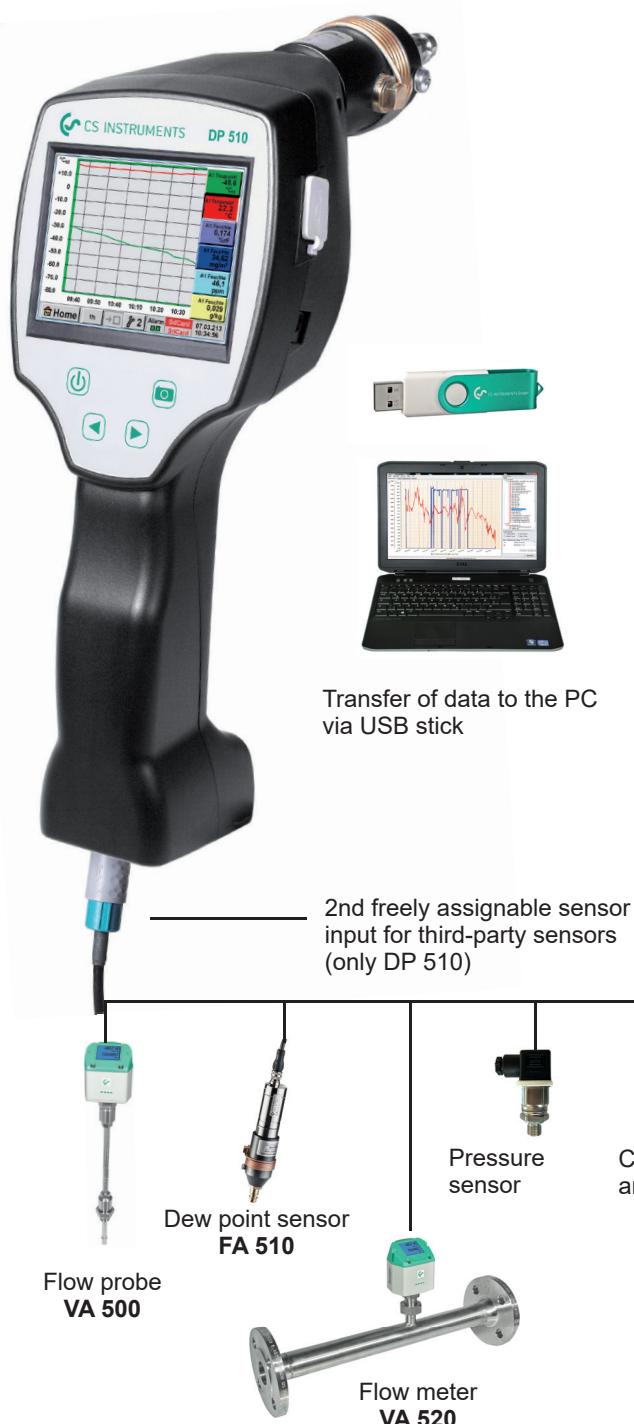




DP 500/510 - Mobile dew point meters with data logger

Applications:

- Compressed air: Examination of refrigeration, membrane, adsorption dryers
- Technical gases: Residual moisture measurement in gases such as N₂, O₂ etc.
- Plastics industry: Examination of granulate dryers



Special features:

- Precise dew point measurement down to -80 °Ctd
- Quick response time
- 3.5" graphic display / easy operation via touch screen
- Integrated data logger for storage of the measured values
- USB interface for reading out via USB stick
- Calculates all necessary moisture parameters like g/m³, mg/m³, ppm V/V, g/kg, °Ctdatm
- 2nd freely assignable sensor input for third-party sensors (only DP 510)
- International: up to 8 languages selectable



Quick installation by means of measuring chamber and quick coupling



Ideal for service technicians - everything in one case

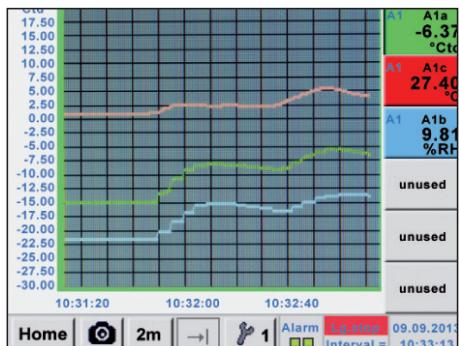


Dry container - for sensor protection and quick adaption time

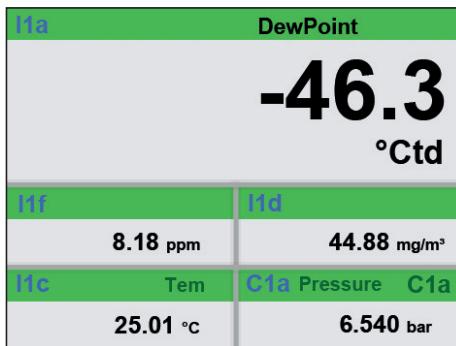


Current/effective power meters

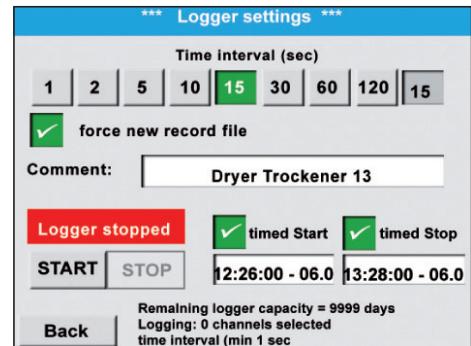
Everything at a glance



measurement curves are displayed graphically, so the operator sees at a glance the behavior of the dryer since the start of the measurement.



All physical parameters of the humidity measurement are calculated automatically. The DP 510 also displays the measured values of the external sensor.



Up to 100 million measured values can be stored. Each measurement can be stored with a comment, e.g. measuring site name. The time interval can be freely set.

Set DP 500 in a case - consisting of:	0600 0500
- Portable dew point meter DP 500 for compressed air and gases	0560 0500
- Mobile measuring chamber up to 16 bar	0699 4490
- Diffusion-tight PTFE hose with quick coupling, length 1 m	0554 0003
- Power supply for DP 500/DP 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 (small) for DP 500	0554 6500
	0600 0510
	0560 0510

Set DP 510 in a case - consisting of:	0600 0510
- Mobile dew point meter DP 510 with one additional input for external sensors	0560 0510
- Mobile measuring chamber up to 16 bar	0699 4490
- Diffusion-tight PTFE hose with quick coupling, length 1 m	0554 0003
- Power supply for DP 500/DP 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 (large) for DP 510 as well as other sensors	0554 6510

Furter options, not included in the set:

Option: „Mathematics calculation function“ for 4 freely selectable channels, (virtual channels): addition, subtraction, division, multiplication

Option: „Totaliser function for analogue signals“

CS Basic – data evaluation graphically and in table form - reading of the measured data via USB or Ethernet, licence for 2 workstations

Precision calibration at -40 °Ctd or 3 °Ctd with ISO certificate

Additional calibration point freely selectable in the range between -80...+20 °Ctd

High pressure measuring chamber up to 350 bar

Measuring chamber for atmospheric dew point

Measuring chamber for granulate dryers with minimum overpressure

Portable dew point meter DP 510 for compressed air and gases (high pressure version up to 350 bar)

Portable dew point meter DP 500 for compressed air and gases (high pressure version up to 350 bar)



Photo key saves current screen as an image file. No additional software necessary.

TECHNICAL DATA DP 500/510

Display:	3.5" touch screen
Measuring range:	-80...+50 °Ctd -20...+70 °C 0...100% RH
Accuracy:	± 0.5 °Ctd at -10...+50 °Ctd Typ. ± 2 °Ctd (further range)
Moisture parameters:	g/m³, mg/m³, ppm V/V, g/kg, °Ctdatm, % RH
Pressure range:	-1...50 bar standard -1...350 bar special version
Interface:	USB interface
Data logger:	16 GB SD memory card (100 million values)
Power supply:	Output voltage: 24 VDC ± 10% Output current: 120 mA in continuous operation
Power supply:	Internal rechargeable Li-Ion batteries, approx. 12 h continuous operation, 4 h charging time
Screw-in thread:	G 1/2" stainless steel
Ambient temperature:	0...+50 °C
EMC:	DIN EN 61326-1