S 505 PORTABLE
DEW POINT METER (-100 °C ... +50 °C)

CS iTEC

- Fast response time
- Wide measuring range
- Accurate

Features

- Measures dew point, temperature and pressure (all in one instrument)
- 3 sensor solutions available:
   - A: -100 °C ... -30 °C sensor for trace moisture applications
   - B: -50 °C ... +50 °C sensor for standard applications
   - A+B: covering the full range of dew point measurement
- Modern color touch screen interface
- Data logger, USB interface, Bluetooth connection to portable printer
- Measuring / parking chamber for fast sensor response
- Application software included

With the S 505 CS-iTEC has combined next generation measurement technology with modern user interface design. The experienced user knows that dew point measurement also requires the measurement of line pressure (according to ISO 8573), since dew point is pressure dependent. With the S 505 the line pressure is measured in combination with the dew point, so the user can be confident that the calculation is accurate and free from human error.

S 505 comes with two sensor units: Sensor A uses the new QCM technology which provides fast and accurate measurement results at dew points below –30 ºC down to -100 °C. Sensor B is for high moisture applications from -50 °C ... +50 °C where the CS-iTEC polymer sensor is more suitable. Both sensors can be easily exchanged.

Additional features unique to the S 505 include:

1. A modern, state of the art graphical user interface with touch screen functions for ease of operation similar to modern smart phones.

2. The data logger can record as many as 100 million values which are stored on a flash card. The card can be removed for fast transportation of the recorded information to your PC, or alternatively the information can be transferred or read via USB .

3. Using a portable printer on-site printouts can be created showing the measured values, location and date/time. Of course these values can be stored as well for report generation in your office.

4. S 505 comes in a robust transport casing including measuring chamber, battery charger, USB cable and a Teflon® hose allowing for quick connection to the compressed air system and immediate measurements.

Technical data S 505		
Measuring range	Sensor A: Sensor B: Pressure: Temperature:	-100 °C ... -30 °C -50 °C ... +50 °C -0.1 ... 1.5 MPa -30 °C ... +50 °C
Accuracy	Dew point: Pressure: Temperature: (Stated uncertainty at: Ambient / process temperature of 23 °C ± 3 °C and ambient humidity of < 90%, no condensation)	± 2 °C @ -50 °C ± 0.005 MPa ± 0.3 °C
Measured gas	Non-corrosive gases	
Ambient conditions	Ambient temp.: Storage temp.: Ambient humidity: EMC:	0 °C ... +50 °C -40 °C ... +65 °C < 90%, no condensation IEC / EN 61326
Response time t90	-50 °C -> -10 °C: < 10 seconds -10 °C -> -50 °C: < 5 minutes	
Charger / battery	USB charger: Battery life: Charging time:	5VDC, 2A 6 h 4 h
Data logger	Memory size: Medium:	4 GB SD card

Portable BlueTooth printer HDT 312

Transport case: compact + safe

Details

Easy sensor module change through slide-in module with auto-connect

USB port   SD card slot

Unique measuring / parking chamber for fast sensor response

Teflon hose with quick connect

Order no.	Description
P600 0505	**S 505-1 Set consisting of:** - Handheld meter with data logger and S4M-S software - Sensor unit B -50 °C ... +50 °C - Parking/Measuring chamber - Teflon hose and quick connector - USB charger with USB cable - Transport case
P600 0506	**S 505-2 Set consisting of:** - Handheld meter with data logger and S4M-S software - Sensor unit A -100 °C ... -30 °C - Parking/Measuring chamber - Teflon hose and quick connector - USB charger with USB cable - Transport case
P600 0507	**S 505-3 Set consisting of:** - Handheld meter with data logger and S4M-S software - Sensor unit B -50 °C ... +50 °C - Sensor unit A -100 °C ... -30 °C - Parking / Measuring chamber - Teflon hose and quick connector - USB charger with USB cable - Transport case S 505, L400 x W300 x H130 mm
Options / accessories	
A554 0020	CS-iTEC mobile printer HDT 312
A554 0021	Paper roll for HDT 312 (contains 3 rolls)
A699 3501	Parking/Measuring chamber by-pass type

DEW POINT MEASUREMENT