

# HTK T 5200 Dew Point Meter



## Ultra portable

### All in one single handheld

The HTK T 5200 portable dew point meter offers users a single hand held unit to perform on site measurements in compressed air systems.

## Features

- Measures dew point, temperature and pressure in one device
- Sensor selection according to your needs:
  - 100 ... +20 °C Td with pressure sensor as standard version
  - 50 ... +50 °C Td without pressure sensor as economic version
- Easy to use, but powerful performance
- Optional smart features: End value prediction, camera and measurement snapshot
- Wireless printer for on-site reporting, perfect for audits
- Unique Measuring chamber with parking function as standard included

## Dew point prediction

The HTK T 5200 offers a unique dew point end value prediction algorithm as a built-in technology. Based on the dew point measurement curve our algorithm is able to predict the end value before actually reaching the end value.

This feature enables the user to predict the dew point end value in a minimum amount of time. It helps on-site engineers to save time and to perform faster dew point audits.

Dew point end value prediction is a part of the smart features. With the smart features option, users also get a 5 Megapixel camera and the snapshot function for quick measurement logging.

## Scope of delivery



Measuring chamber measuring/parking chamber for fast sensor response



USB-C Cable USB charger with USB-C cable and adapter



PTFE hose with quick connect



Memory stick



Transport case protects measurement instrument and accessories.



Wireless printer (Optional) used to print the measurement results on site.

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# HTK T 5200 Dew Point Meter



## SMART DEVICE

Dew point prediction

## PRESSURE SENSOR

Enables various humidity units

## LOW DEW POINT

Measures down to -100 °C Td

## PORTABLE UNIT

Handheld unit within a rugged case

## TOUCH SCREEN

Intuitive user interface

## DATA LOGGER

Integrated mass storage

## CAMERA INTEGRATED

Pictures for better reports

## DEW POINT AUDITS

Indication of class on display



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## Technical Data

Measuring range	Standard	-100 ... +20 °C Td
	Eco	-50 ... +50 °C Td
	Pressure*	0 ... 1.5 MPa(g)
	Temperature	-30 ... +50 °C
Dew Point Sensor	Sensor A (Standard): QCM + Polymer ; Sensor B (Eco): Polymer	
Temperature Sensor	Pt100	
Pressure Sensor	Piezo resistive type (only with Sensor A - Standard)	
Accuracy	Dew point	+/- 1 °C Td (0 ... 20 °C Td) +/- 2 °C Td (-60 ... 0 °C Td / +20 ... +50 °C Td) +/- 3 °C Td (-100 ... -60 °C Td)
	Temperature	+/- 0.3 °C
	Pressure	0.5 % FS
Measured units (selectable)	°C Td • g/m <sup>3</sup> • mg/m <sup>3</sup> • g/m <sup>3</sup> atm (@zero pressure) • mg/m <sup>3</sup> atm (@zero pressure) • ppmv • g/kg (@ reference pressure) • °C Tdatm (@ zero pressure) • % RH	
Operating Pressure	-0.1 ... 1.5 MPa(g) (at least 0.3 MPa is needed for the measuring chamber supplied with the instrument)	
Measured gas (Medium)	Air, CO <sub>2</sub> , N <sub>2</sub> , Ar (CO <sub>2</sub> measurements with the Sensor B module are limited to -40 °C Td)	
Operating Parameters	Medium Temperature: -30 ... +70 °C / Ambient Temperature: 0 ... +40 °C / Ambient Humidity: 0 ... 80 % rH	
Housing material	PC + ABS	
Transport & Storage	Transport Temperature: -30 ... +70 °C / Storage Temperature: -20 ... +50 °C	
Weight	2.7 kg (complete set in transport case)	
Process Connection	G1/2" for direct sensor connection, Measuring chamber with 6 mm hose quick coupling	
Battery	Operating time on one charge: ~8 h / Charging time until full: ~3 h	
Interface	USB-C (charging and data transfer), wireless printer	
Display	3.5" color LCD Touch screen	
Camera	5.0 Megapixel (only with smart features option)	
Logger	Integrated mass storage, 100 Mio. values	

\* at least 0.3 MPa is needed for the measuring chamber supplied with the instrument.  
For low pressure measurements below 0.3 MPa please choose the by-pass measuring chamber.

The direct way to our website:

[www.htk-hamburg.com](http://www.htk-hamburg.com)

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