

Hand-held Dew Point Sensor

Portable, Handheld Dew Point Sensor

Key Features

- Dew Point Range:
 - -60°C to +60°C | -76°F to +140°F or
 - -110°C to +60°C | -166°F to +140°F
- Accuracy: up to $\pm 2\%$
- 4.3" IPS wide viewing angle, LCD with capacitive touch
- Displays dew point purity class according to ISO 8573
- Data logging and graphs
- 1.5 G storage, 200,000,000 values
- Data output via Type C USB
- Power Supply: rechargeable lithium battery – 16 hours operating time, 2.5 hours charging time
- Measure: Pressure Dew Point Relative Humidity, Temperature and Pressure



About

This handheld dew point meter is ideal for on-site inspections, analysis and diagnosis. The device displays real time pressure dew point, atmospheric dew point, temperature, pressure and humidity in numerical and graph format. It also gives an indication of the dew point purity class according to ISO 8573.1:2010

The dew point meter's prediction algorithm quickly and accurately predicts the final stable pressure dew point value and estimates the time to the sensor to reach that value.

The replaceable desiccant that comes with the measuring chamber protects and dries the sensor when the instrument is not in use, thus ensuring a quick response time for each new test.

Applications

- Manufacturing and industrial use
- Clean, dry compressed air and inert gases
- Temporary measurement
- Service technicians and auditors
- Gas pressure up to 17 bar (246 psi)

Specifications



Measurement Range

Pressure Dew Point Range:	Sensor Technology:	
Option 1:	-60°C to +60°C (-76°F to +140°F)	1 polymer sensor
Option 2:	-110°C to +60°C (-166°F to +140°F)	1 polymer sensor & 1 alumina-oxide sensor
Gas Temperature Measurement Range	-40 to +100 °C (-40 to +212°F)	
Pressure Measurement Range	0 to 17 bar 0 to 246 psi	

Accuracy

Dew Point Accuracy		
• +20 to -60°C		±2%
• -60 to -100°C		±3%
Temperature Accuracy		
• 0 to + 50°C		±0.3°C
• -40 to 0°C and +50 to +100°C		±0.5°C
Pressure Accuracy (@23°C)		±0.3% F.S
Pressure changes with temperature		±0.01 bar / 10°C

Response Time

-50 to +20 °Ctd	20 sec [40 sec]
+20 to -50 °Ctd	1 min [3 min]
Pressure measurement	<1 sec

Reference Conditions: 63% [90%], 20 °C, 1bar(a), 4L/min

Display & Data Logger

Display	4.3" IPS LCD capacitive touch screen
Data Logging	1.5 G storage space 200 million recording points
Data Output	Type C interface

Power

Battery Type	Lithium
Battery charging	PD fast charger, 20VDC 1A
Charging interface	Type-C interface
Charging time	2.5 hours
Battery life	16 h (at 20 °C operating temperature)

Working Environment

Ambient Temperature	-30 to +70°C -22 to +158°F
Operating Temperature	0 to +50°C 32 to 122 °F
Storage Temperature	-10 to +60°C 14 to 140°F
Relative Humidity	0 to 95% RH
Minimum gas flow	> 2L /min
Pressure	0 to 17 bar

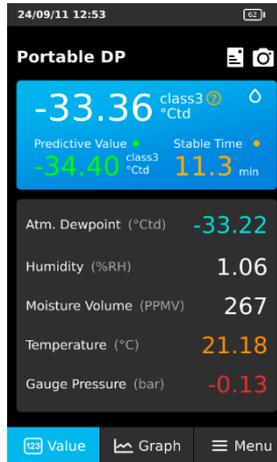
Other

Process Connection	6 mm hose with quick connector
Weight	<ul style="list-style-type: none"> Handheld unit only 0.95 kg Carry Case and handheld unit 3.5 kg
Warranty	12 months
HS Code	9025.80.40

Display

Predicted Value and Stable Time

These numbers indicate the final stable dew point and the time it will take to get there.



- Data Logging
- Screenshot

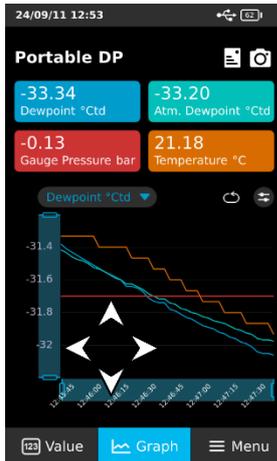
Air Purity Rating for moisture according to ISO8573

Y-Axis Selection

Click here to select the Y-axis parameter

Graph Scaling

Use two fingers to scale the graph



Graph items

Clicking these buttons will turn their graph on / off

X-Axis Selection

Click here to change the time period on the x-axis (from 2 min to 8 hours)

Sensor Settings

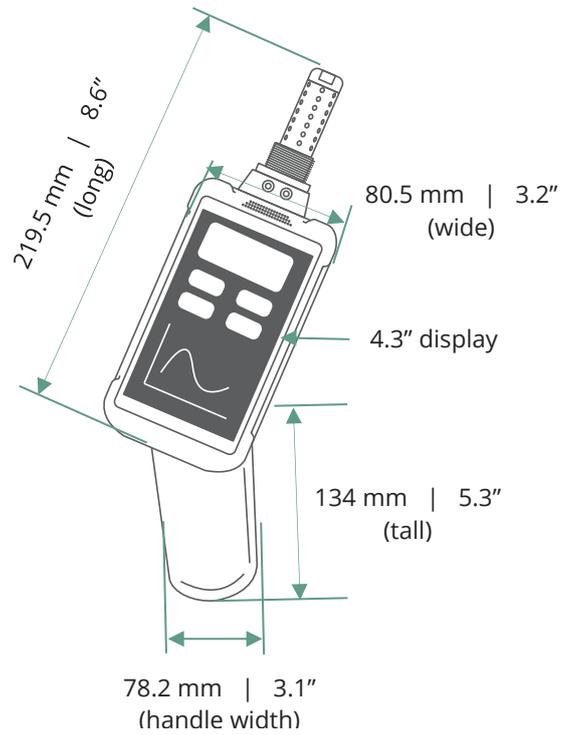
Adjust gas type, units of measure and more



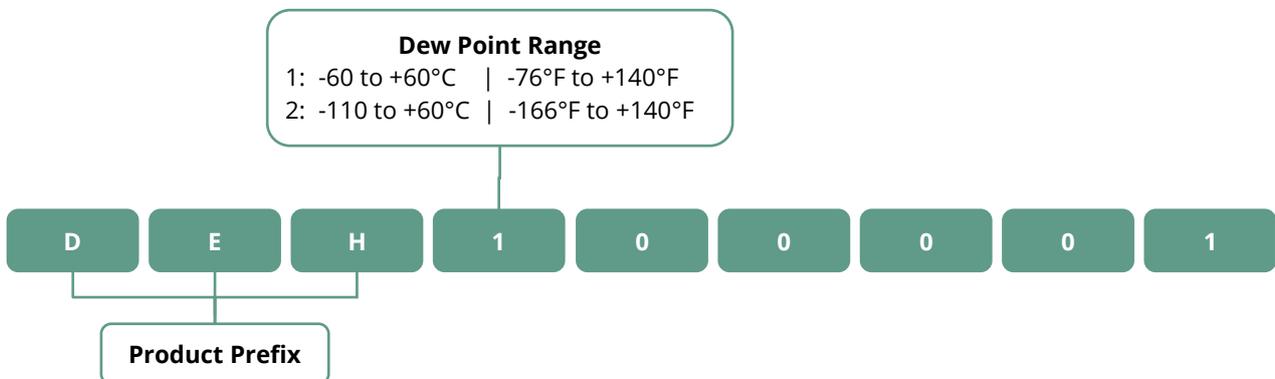
File Management

Download screen shots and data log files

Dimensions



How to Order



Other Dew Point Sensors



W Series Dew Point Sensor

Wall mount dew point monitor. Comes with a large display and alarm (red/green light, siren)

Pressure Dew Point Range

-110°C to +20°C (-166°F to +68°F) or

-80°C to +20°C (-112°F to +68°F) or

-60°C to +60°C (-76°F to +140°F)

Gas Contamination

Minimal to moderate contamination

Outputs

4-20mA and alarm relay

Technology

Alumina-Oxide or Polymer sensor (depending on dew point range)

Options

Integrated pressure sensor

Power Plug (USA, Euro, UK or Australian plug)



A Series Dew Point Sensor

Ideal for very low dew points

Pressure Dew Point Range

-110°C to +20°C (-166 °F to +68°F) or

-80°C to +20°C (-112°F to +68°F)

Gas Contamination

Minimal contamination

Outputs

Modbus & 4-20mA

Technology

Alumina-Oxide sensor

Options

Integrated pressure sensor, in-built display, data cable, outdoor casing (IP67 rating)



K Series Dew Point Sensor

Robust sensor, suitable for harsh conditions

Pressure Dew Point Range

-60°C to +60°C (-76°F to +140°F)

Gas Contamination

Moderate levels of contamination

Outputs

Modbus & 4-20mA

Technology

Polymer sensor

Options

Integrated pressure sensor, in-built display, data cable, outdoor casing (IP67 rating)



Mini Dew Point Sensor

Entry level sensor. Compact design. Can be used in small spaces

Pressure Dew Point Range

-60°C to +60°C (-76°F to +140°F)

Gas Contamination

Moderate levels of contamination

Outputs

Modbus & 4-20mA

Technology

Polymer sensor

Options

Stainless Steel or Aluminium casing

Note: No integrated pressure or in-built display option available



H Series Dew Point Meter

Portable / Handheld dew point meter. Ideal for temporary measurement

Pressure Dew Point Range

-110°C to +20°C (-166°F to +68°F)

-60°C to +60°C (-76°F to +140°F)

Gas Contamination

Minimal to moderate contamination

Outputs

None. Stand alone unit

Technology

Alumina-Oxide or Polymer sensor (depending on dew point range)

Options

None – comes with integrated pressure sensor and measurement chamber