

## Hand-Held Dewpoint Meter for Spot-Checking Applications



CE

EMC  
EN: 61326

The Handheld Dewpoint Meter measures dew point temperature accurately over a wide measurement range. The probe may be inserted directly into pressurized processes, and it responds rapidly from ambient to process conditions. The sensor withstands condensation and fully recovers from getting wet. The meter is suitable for direct process dew point measurement in a wide temperature and pressure range.

## Features

- Designed for industrial spot-checking and field calibration
- Accurate measurement ranges from -50 to +30 °C (-58 to +86 °F)
- The high quality sensor, optimal for low humidity measurement
- Low maintenance need due to superior long-term stability
- Sensor withstands condensation
- Fast response, enhanced by Sensor Purge option
- Data can be logged and CSV file transferred to a PC via USB
- Compact, small and light
- CSV file Data logger
- Rechargeable lithium battery

## DP-50 probe Specifications

| Function          | Range                    | Resolution | Accuracy                                                                               |
|-------------------|--------------------------|------------|----------------------------------------------------------------------------------------|
| Relative Humidity | 0 to 100%                | 0.01       | RH<5% ±(0.025%RH+17.5%rdg)<br>RH>5% ±(1%RH+5%rdg)<br>RH>15% ±(2%RH+3%rdg)              |
| Dew point         | -50~30 °C<br>(-58~86 °F) | 0.01       | -40...+20°C ±2°C (±3.6°F)                                                              |
| Temperature       | -10~60 °C<br>(14~140 °F) | 0.01       | -10 ... +50 °C (+14 ... +122 °F)<br>±0.3°C(±0.54 °F)<br>rest of range ±0.4°C(±0.72 °F) |

Dew point response time : flow rate 0.2 m/s, 1 bar pressure, +20 °C (+68 °F) 63% [90%]  
0 -> -40 °C Td (32 -> -40 °F Td) 20 s [120 s]  
-40 -> 0 °C Td (-40 -> 32 °F Td) 10 s [20 s]

## DP-60 probe Specifications

| Function          | Range                        | Resolution | Accuracy                                            |
|-------------------|------------------------------|------------|-----------------------------------------------------|
| Dew point         | -70 ~ 30 °C<br>(-94 ~ 86 °F) | 0.01       | -60 ~ +20 °C<br>±2 °C (±3.6 °F)                     |
| Relative Humidity | 0 ~ 100%                     | 0.01       | RH<5% ±(0.025%RH+17.5%rdg)<br>RH>5% ±(0.8%RH+2%rdg) |
| Temperature       | -10 ~ 60 °C<br>(14 ~ 140 °F) | 0.01       | ±0.2°C (±0.36 °F)                                   |

Dew point response time: flow rate 0.2 m/s, 1 bar pressure, +20 °C (+68 °F) 63% [90%]  
0 -> -60 °C Td (32 -> -76 °F Td) 50 s [340 s]  
-60 -> 0 °C Td (-76 -> 32 °F Td) 10 s [20 s]

## DT-8320 Professional RTD Thermometer

A digital substitute for your mercury-in-glass thermometers. Accurate and repeatable to ± 0.05 °C over its full range of industrial temperature calibration. Whether working outdoors in environments where potentially explosive gases may be present or on the floor of a processing plant, the intrinsically-safe, battery operated, portable reference thermometer is designed to go where you work.

## Features

- Accuracy of ± 0.05 °C (± 0.09 °F) over full range
- Two models to choose from (-50 °C to 160 °C)
- User-configurable temperature Trend/Stability indicator
- Display temperature in °C or °F
- Optional data logging to internal memory
- Percent battery-life and low-battery indicator

## Specifications

| Function      | Range:                                 | Resolution | Accuracy              |
|---------------|----------------------------------------|------------|-----------------------|
| Temperature   | -50 °C to 160 °C<br>(-58 °F to 320 °F) | 0.01 °C/°F | ± 0.05 °C (± 0.09 °F) |
| Sensor type   | 100 Ω thin-film RTD                    |            |                       |
| Display units | °C, °F                                 |            |                       |

Size(HxWxD): 190mm x 75mm x 38mm

Weight: 320g

Accessories :

3.7V Li-ion battery and Sensor probe,  
Gift box with carrying case.



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High Accuracy

Fast Response

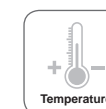


Model 8321

Size(HxWxD): 190mm x 75mm x 38mm

Weight: 320g

Accessories : 3.7V Li-ion battery and Sensor probe,  
Gift box with carrying case.



High Accuracy

Fast Response

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Model 8320