

# HTM Series

## Portable Dew Point Monitor

### Model HTM, a Series of Portable Dew Point Monitors

The HTM Series is a series of portable, battery powered dew point monitors that provide a quick response for dew points to  $-60^{\circ}\text{C}$ . The unit is factory set to display humidity, temperature and dew point. Other selectable parameters are accessible via the RS232 connections. The sensor probe has a wide temperature range and is resistant to most chemicals. For applications where drawing a sample is not feasible, the Model HTM sensor is flexible enough to be removed from its sample chamber and be remotely mounted. Field replaceable sensors are available with an interchangeability of  $\pm 1\%$ . The HTM is ideally suited for compressed air and dryer applications. The HTM dew point monitor is calibrated and adjusted to a traceable reference standard and comes with a NIST traceable calibration certificate.



Model Type	Application	Description
<b>HTM - FV</b>	<b>Positive Pressure</b>	A portable battery powered dew point monitor with a flow valve
<b>HTM - VP</b>	<b>Atmosphere / Vacuum</b>	A portable battery powered dew point monitor with a vacuum pump

## MODEL HTM SERIES

### SPECIFICATIONS

**MEASURED PARAMETERS:** RH / Temperature

**ACCURACY:** RH:  $\pm 1\%$   
Temperature:  $\pm 0.5^{\circ}\text{C}$   
Dew Point:  $\pm 1^{\circ}\text{C}$  @  $0^{\circ}\text{C}$ ,  $\pm 2.5^{\circ}\text{C}$  @  $-40^{\circ}\text{C}$

**RANGE:** RH: 0-95% (non-condensing)  
Temperature:  $-40$  to  $60^{\circ}\text{C}$   
Dew Point: @  $25^{\circ}\text{C}$  ambient temperature  
dew point range  $-60$  to  $20^{\circ}\text{C}$

**PRESSURE RATED:** Up to 300lbs

**GENERAL:**

Cable Length: 6ft (1.82m)  
Probe Length: 8 in (20.3cm)  
Probe Material: Stainless Steel  
Filter: Sinter Stainless Steel (removable and cleanable)  
Sensor: Polymer-Capacitive  
Fitting: Adjustable  $\frac{3}{4}$ "NPT  
Connections: Screw Terminals, Wire (20-24 AWG) stranded wire required  
Sample Test Chamber: the Model HTSC  
Rechargeable Batteries

**ELECTRICAL OUTPUTS:**

Three 4-20mA - scalable by end-user  
RS-232 (bi-directional), programmable and readable  
Two Alarm Relays - settable by end-user  
Digital Display - LCD, 2 line backlit

**POWER REQUIREMENTS:** Battery powered, Battery charger (115Vac to 24Vdc) included

**DIMENSIONS: (LWD)**

Carry Case: 19" (48.3cm) \* 14" (35.6cm) \* 7" (17.8cm)

**WEIGHT:** 15lbs (6.8kg)



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