

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°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
HTM - FV	Positive Pressure	A portable battery powered dew point monitor with a flow valve
HTM - VP	Atmosphere / Vacuum	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°C , $\pm 2.5^{\circ}\text{C}$ @ -40°C

RANGE: RH: 0-95% (non-condensing)
Temperature: -40 to 60°C
Dew Point: @ 25°C ambient temperature
dew point range -60 to 20°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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