HM40 Series Compact and Portable Humidity and Temperature Meter

HM40 Overview:

- Wide measurement range and displays multiple parameters (RH, T, Td, Tw, a, x, h)
- Standard and remote probe models available
- Ideal for spot-checking, on the go
- Incorporates the proven Vaisala HUMICAP® 180R Sensor
- Graphical display indicates when measurement has stabilized
- Convenient calibration – either replace interchangeable probe or calibrate in the field

HM41 Features/Benefits

- Incorporates the proven Vaisala HUMICAP® 180R Sensor
- Interchangeable HMP113 probe
- IP54 Rating
- Temperature measurement range of -10 … +60 °C (+14 … +140 °F)
- Designed for spot checking in rooms
- Probe material: PC/ABS plastic blend

HM45 Features/Benefits

- Incorporates the proven Vaisala HUMICAP® 180R Sensor
- Interchangeable HMP113 probe with HM40HANDLE
- IP54 Rating
- Temperature measurement range of -40 … +60 °C (-40 … +140 °F)
- Designed for spot checking in difficult to reach areas
- Probe material: PC/ABS plastic blend

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HM46 Features/Benefits

- Incorporates the proven Vaisala HUMICAP® 180R Sensor
- Interchangeable HM46PROBE
- IP54 Rating (indicator), IP40 (probe)
- Temperature measurement range of -40 ... +100 °C (-40 ... +212 °F), short term up to +180 °C (+356 °F)
- Designed for spot checking in HVAC applications and in ducts
- Probe material: Stainless steel, brass filter

HM41 Summary:

Relative humidity and temperature portable calibrator shall incorporate a thin film polymer capacitive HUMICAP® humidity sensor and have accuracy of ±1.5% RH (0...90% RH) and ±2.5% RH (90...100% RH) between 0 to 40°C (32 to 104°F). Shall have typical long-term stability of better than ±2% RH over 2 years. Temperature sensor shall be a platinum 1000Ω RTD with accuracy of ± 0.2°C (0.36°F) between °0 ... +40 °C (+32 ... +104 °F) with a measurement range of -10 ... +60 °C (14 ... 140 °F). Indicator shall additionally be able to calculate and display dew point, wet bulb temperature, absolute humidity, mixing ratio and enthalpy. The graphical LCD display shall feature multilingual menu-based user interface. NIST traceable calibration certificate included. Shall have the ability to be calibrated by the user in the field or shall offer an interchangeable calibrated probe.

HM45 Summary:

Relative humidity and temperature portable calibrator shall incorporate a thin film polymer capacitive HUMICAP® humidity sensor and have accuracy of ±1.5% RH (0...90% RH) and ±2.5% RH (90...100% RH) between 0 to 40°C (32 to 104°F). Shall have typical long-term stability of better than ±2% RH over 2 years. Temperature sensor shall be a platinum 1000Ω RTD with accuracy of ± 0.2°C (0.36°F) between °0 ... +40 °C (+32 ... +104 °F) with a measurement range of -40 ... +60 °C (-40 ... 140 °F). Indicator shall additionally be able to calculate and display dew point, wet bulb temperature, absolute

humidity, mixing ratio and enthalpy. The graphical LCD display shall feature multilingual menu-based user interface. NIST traceable calibration certificate included. Shall have the ability to be calibrated by the user in the field or shall offer an interchangeable calibrated probe.

HM46 Summary:

Relative humidity and temperature portable calibrator shall incorporate a thin film polymer capacitive HUMICAP® humidity sensor and have accuracy of ±1.5% RH (0...90% RH) and ±2.5% RH (90...100% RH) between 0 to 40°C (32 to 104°F). Shall have typical long-term stability of better than ±2% RH over 2 years. Temperature sensor shall be a platinum 1000Ω RTD with accuracy of ± 0.2°C (0.36°F) between °0 ... +40 °C (+32 ... +104 °F) with a measurement range of -40 ... +100 °C (-40 ... 212 °F). The probe shall be capable of withstanding a temperature of up to +180°C (356°F) for a short period of time. Indicator shall additionally be able to calculate and display dew point, wet bulb temperature, absolute humidity, mixing ratio and enthalpy. The graphical LCD display shall feature multilingual menu-based user interface. NIST traceable calibration certificate included. Shall have the ability to be calibrated by the user in the field or shall offer an interchangeable calibrated probe.