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HM70 Hand-Held Humidity and Temperature Meter for Demanding Spot-Checking Applications



Features/Benefits:

- Shows measurement trends graphically
- Multiprobe operation; dew point and CO₂ probes can also be connected
- Displays various humidity parameters including dew point, ppm, water vapor pressure, saturation water vapor pressure, wet bulb temperature, absolute humidity, mixing ratio and enthalpy
- Sensor preheat and chemical purge options for demanding conditions
- Data can be logged, and transferred to a PC via MI70 Link software
- NIST traceable (certificate included)

Summary:

Relative humidity portable calibrator shall incorporate a thin film polymer capacitive HUMICAP® humidity sensor that is field replaceable (re-calibration in the field also required after replacement) and have accuracy of $\pm 1\%$ RH (0...90% RH) and $\pm 1.7\%$ RH (90...100% RH) between $+15 \dots +25 \text{ }^\circ\text{C}$ ($+59 \dots +77 \text{ }^\circ\text{F}$). Shall have typical long-term stability of better than $\pm 1\%$ RH/Year. Temperature sensor shall be a platinum 100Ω RTD with accuracy of $\pm 0.2^\circ\text{C}$ (0.36°F) at 20°C (68°F). Meter shall additionally be able to calculate and display dew point, ppm, water vapor pressure, saturation water vapor pressure, wet bulb temperature, absolute humidity, mixing ratio and enthalpy. The graphical LCD display shall feature a multilingual menu-based user interface. Up to three parameters shall be numerically and graphically displayed and logged in the 2700 datapoint capacity memory. One or two probes can be connected simultaneously. Calibrator probe shall operate over the temperature range of -70° to 180°C (-94° to 356°F), and be able to perform a single or dual point electronic relative humidity calibration and adjustment over the range of 0 to 100% RH. NIST traceable calibration certificate included.

[Vaisala Model HM70](#)