Traceable® Memory Hygrometer/Thermometer

Maintain accuracy with do-it-yourself calibration

Traceable® Memory Hygrometer/Thermometer measures from 10.0 to 95.0% relative humidity and temperature from 0.0 to 199.9°F and –18.0 to 93.0°C. Simultaneously displays both temperature and relative humidity on its dual 1⅛-inch LCD. Precision thermistor offers a temperature accuracy of ±1°C between 0 to 40°C, otherwise ±2°C, and a resolution of 0.1°. Reads Fahrenheit and Celsius. An audible click confirms each key entry. See Cat. No. 4385 for dew point model specifications.

Microprocessor-based design provides unparalleled accuracy

Resistive polymer film sensor provides humidity readings with an accuracy of ±2% mid-range to ±4% elsewhere. Humidity resolution is 0.1% relative humidity. To assure accuracy an individually serial-numbered Traceable® Certificate is provided from our ISO 17025 calibration laboratory accredited by A2LA. It indicates traceability to standards provided by NIST (National Institute of Standards and Technology). At the touch of a button, recall the minimum and maximum humidity and temperature readings captured during any time period. A special HOLD button permits freezing the display to capture readings. Features an auto-off battery saving function which may be turned off.

RS-232 output

Unit is equipped with an RS-232 output socket for transferring data to a computer. Use to monitor conditions in clean rooms, computer rooms, storage facilities— virtually anywhere temperature and RH affect vital components and tests. Handsome, dual-tone ABS plastic case is both lightweight (10¾ ounces) and rugged for extreme field or lab use. Supplied with probe/cable, Traceable® Certificate, hard plastic carrying case, and 9-volt battery for 100 hours of continuous use. Size is 7⅛ x 2¾ x 1¼ inches. Probe is 8½ inches long with ⅔-inch diameter and a 3-foot cable.

Cat. No. 4185   Traceable® Memory Hygrometer/Thermometer

Cat. No. 4385   Traceable® Memory Hygrometer/Thermometer
(Identical to the above unit with accuracy of ±2.0%RH; with Dew Point Display (Range 0.0 to 50.0°C with a resolution of 0.1° and an accuracy of ±2°C; and with programmable audible alarm).

Cat. No. 8045   Data Acquisition System–
Data Acquisition System captures, displays, and stores readings on any IBM-compatible PC. Information can be imported into databases. CD and 79-inch serial cable with D9F plug.

Cat. No. 4394   33% Calibration Standard with calibration instructions.

Cat. No. 4395   75% Calibration Standard with calibration instructions and an accuracy of ±2°C; and with programmable audible alarm.

Computer Output