



Traceable® Digital Hygrometer/ Thermometer/Barometer/ Dew Point Pen

Measures temperature, humidity, barometric pressure, and dew point

Relative humidity range is 10.0 to 95.0% with a resolution of 0.1% and an accuracy of $\pm 3\%$ RH mid-range to $\pm 4\%$ RH elsewhere. Temperature range is 32.0 to 122.0°F and 0.0 to 50.0°C with a resolution of 0.1° and an accuracy of $\pm 1^\circ\text{C}$. Dew point range is 13.5 to 120.1°F and -25.3 to 48.9°C with a resolution of 0.01°.

Barometer measures pressure in 3 different units: Inches of mercury (inHg) from 0.29 to 32.48 with a resolution of 0.01, millibars (hPa) from 10.0 to 1100 with a resolution of 0.1 and 1 hPa, and millimeters of mercury (mmHg) from 7.5 to 825.0 with a resolution of 0.1 mmHg. Accuracy is ± 4 hPa. User selectable dual display shows humidity/temperature, humidity/dew point, barometer/temperature, or barometer/humidity.

Lightweight and compact

Compact design features an electronic capacitance polymer film sensor not affected by condensation. Tough ABS plastic housing and water-resistant design with O-ring seal and membrane keypad assure a long life in severe lab or harsh plant environments. HOLD button freezes the reading on the display. High contrast $\frac{3}{8}$ -inch-high LCD digits are easy to read. At the press of a button, unit recalls minimum/maximum readings.

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). Rugged ABS plastic case is $1\frac{1}{2}$ inch diameter x 8 inches; weight is 5 ounces. Supplied with a Traceable® Certificate and four AAA batteries. Replacement battery Cat. No. 1105.

Cat. No. 4247 Traceable® Digital Hygrometer/Thermometer/Barometer/Dew Point Pen

Traceable® Workstation Digital Barometer

Innovative barometer stands on the bench

Workstation digital barometer measures atmospheric pressure, graphically displays the barometric trend, and reports temperature and time. Ideal for recording ambient changes in the lab, monitoring conditions affecting sample analysis, and assisting in the prediction of weather changes.

Barometer measures pressure from 23.62 to 31.01 inches of mercury (inHg) with a resolution of 0.03 inHg, and from 800 to 1050 millibars (mbar) with a resolution of 1 mbar. Accuracy is ± 0.4 inHg (± 12 mbars between 900 to 1050 mbar). Graphic barometric trend shows present reading and previous 1-, 3-, 6-, and 12-hour readings in a bar chart format. Adjustable altitude compensation is from -300 to 1200 meters and -900 to 3600 feet.

Temperature range is 15 to 158°F and -9.5 to 70°C with a resolution 0.5° and an accuracy of $\pm 1^\circ\text{C}$ between 0 and 50°C . Clock shows time in AM/PM and 24-hour formats. 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). Accurate forecasting indicators show weather conditions for the next 12-hours using symbols for sunny, cloudy, rainy, and partly cloudy. Supplied with two AAA alkaline batteries. Size is 4 x 4 x $2\frac{1}{4}$ inches. Weight is 4 ounces. Replacement battery Cat. No. 1105.

Cat. No. 4245 Traceable® Workstation Digital Barometer

