





## Traceable® Digital Barometer Module



Computer Output

Digital Barometer Module is the perfect unit for plants, labs, and all other environments where there is a need to monitor conditions, check environmental air parameters, and forecast weather. A four-line LCD continuously and simultaneously shows barometric pressure, temperature, relative humidity, barometric pressure trend, weather forecast, and humidity comfort range. Weather forecast display indicator shows sunny, cloudy, rainy, or partly cloudy.

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).

Module displays barometric pressure from 795 to 1050 millibars (mbar) with a resolution of 1 mbar, and from 23.45 to 31.01 inches of mercury (inHg) with a resolution of 0.03 inHg. Accuracy is  $\pm 5$  mbar ( $\pm 0.15$  inHg). Barometric pressure trend shows in bar chart format the current and past 1-, 3-, 6-, 12- and 24-hour readings. Barometric readings for every hour of last 24 hours are stored continuously and are available for recall at the touch of a button.

### Temperature and relative humidity

Temperature range is 32 to 131°F and 0 to 55°C. Resolution is 1° and accuracy is  $\pm 1^\circ\text{C}$ . Humidity range is 25 to 95%RH. Resolution is 1%RH and accuracy is  $\pm 5\%$ RH.

### Makes a permanent database

Data output allows module to be connected to a computer or data logger using the Accessory Data Acquisition System to capture readings of barometric pressure, temperature, and relative humidity. Switching permits setting in Fahrenheit/Celsius and mbar/inHg. Altitude compensation is -100 to 2500 meters. Supplied complete with instructions and AAA batteries. Size is 4 x 3 x 1 inches. Weight is 7 ounces.

**Cat. No. 1870 Traceable® Digital Barometer Module**

**Cat. No. 1871 Data Acquisition System Accessory**

Data Acquisition System captures, displays, and stores readings on any PC with Windows®. Data files can be read as-is or imported into spreadsheets, databases, and statistical programs. Supplied with 3½-inch diskette, 5-foot cable that plugs into barometer and computer serial port, and an AC power adapter.



## 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  $\pm 0.2$  inHg ( $\pm 6$  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 A.M./P.M. 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). Surprisingly 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 2¼ inches. Weight is 4 ounces.

**Cat. No. 4245**

**Traceable® Workstation Digital Barometer**

# Traceable® Precision Dial Barometer

Traceable® Precision Barometer's triple scales provide a sensitive measure of atmospheric pressure from 954 to 1073 millibars, 28.1 to 31.7 inches of mercury, and 715 to 805 millimeters of mercury with a resolution of 0.5 mbar, 0.05 inHg, and 0.5 mmHg. Accuracy is  $\pm 0.5\%$  of reading.

## Traceable to NIST for accuracy

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).

Housing is rugged corrosion-proof, nickel-chrome. Adjustable pointer may be set to indicate changes. Complete with altitude adjustment screw (use at locations as high as 1000 meters), notched desk stand, and wall mount. Size is 4½ inches diameter by 1½ inches. Weight is 1 pound.

**Cat. No. 4199** Traceable® Precision Dial Barometer



**We have access to the complete Traceable line of products. If you need a Traceable product and don't see it in this catalog call us at 1-800-561-3600 and we will get you a price and availability.**

# Traceable® Humidity Controller

Humidity outlet switch turns any piece of equipment on or off. Program "higher-ON/lower-OFF" or "lower-ON/higher-OFF" switching at any set point from 30 to 90% RH in 1% RH increments. Use for turning humidifiers, dehumidifiers, or alarms on or off. Three-button operation is extremely easy and fast.

## Battery backup

A manual override permits equipment to be switched on or off instantly without disturbing the program. Rechargeable nicad battery maintains operation for days in the event of an electrical outage. 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).

LCD (½-inch-high) displays relative humidity and ON/OFF message to show status of attached equipment. Accuracy is  $\pm 5\%$  RH. Three-pronged grounded receptacle, turns apparatus on/off to 125 VAC, 15 amps, 1800 watts, ⅓ horsepower. High-impact ABS plastic case is 4¼ x 2¾ x 1½ inches. Weight is 4½ ounces.

**Cat. No. 4190** Traceable® Humidity Controller

