

TRACEABLE® ANEMOMETER/HYGROMETER/ THERMOMETER/DEW POINT BAROMETER PEN INSTRUCTIONS

SPECIFICATIONS

Air Flow—

Range: 0.4 to 30.0 m/s (meters per second)
Resolution: 0.1
Range: 1.4 to 108.0 Km/h (kilometers per hour)
Resolution: 0.1
Range: 80 to 5910 FPM (feet per minute)
Resolution: 1
Range: 0.9 to 67.0 mph (miles per hour)
Resolution: 0.1
Range: 0.8 to 58.3 Knot (nautical miles/hour)
Resolution: 0.1

Temperature—

Range: 32.0 to 122.0 °F / 0.0 to 50.0 °C
Resolution: 0.1°

Humidity—

Range: 10.0 to 95.0% RH
Resolution: 0.1%

Dew Point—

Range: -13.5 to 120.1 °F / -25.3 to 48.9 °C
Resolution: 0.1°

Barometric Pressure—

Range: 10.0 to 1100 hPa (hectopascal)
(1 hectopascal = 1 millibar)
Resolution: 0.1 and 1
Range: 7.5 to 825.0 mmHg (millimeters of mercury)
Resolution: 0.1
Range: 0.29 to 32.48 inHg (inches of mercury)
Resolution: 0.01

Update Rate: 1 second

Battery: 4 each AAA (1.5V)

DISPLAY MODES

The meter may be set to the following display modes:

Humidity and Temperature (Rh/Tmp)

(Humidity reading shown in the upper display, Temperature reading shown in the lower display)

Barometer and Anemometer (Bar/An)

(Barometric pressure reading shown in the upper display, Anemometer reading shown in the lower display)

Barometer and Humidity (Bar/Rh)

(Barometric pressure reading shown in the upper display, Humidity reading shown in the lower display)

Barometer and Temperature (Bar/Tmp)

(Barometric pressure reading shown in the upper display, Temperature reading shown in the lower display)

Anemometer and Temperature (An/Tmp)

(Anemometer reading shown in the upper display, Temperature reading shown in the lower display)

Humidity and Dew Point (Rh/Dp)

(Humidity reading shown in the upper display, Dew Point temperature shown in the lower display)

To change the display mode, press and hold the REC button until the reading on the display begins to flash, then release the REC button. With the readings flashing, each press of the REC button will change the display mode in sequence

(Rh/Tmp→Bar/An→Bar/Rh→Bar/Tmp→An/Tmp→Rh/DP→Rh/Tmp...).

Once the desired display mode appears, release the HOLD button to select the display mode (the display will no longer flash).

OPERATION

1. Press the POWER button to turn the meter on.
2. Select the desired display mode (see the "Display Modes" section).
3. Take the desired measurements.
4. Press the POWER button to turn the meter off.
To preserve battery life, always turn the meter off when not in use.

If no button is pressed for ten (10) minutes, the meter will turn off automatically to preserve battery life (see the "Automatic Shutoff" section).

SELECTING °F OR °C (Temperature/Dew Point)

1. Place the meter into one of the following display modes that displays a temperature reading: Rh/Tmp, Bar/Tmp, An/Tmp or Rh/Dp (see the "Display Modes" section).
2. Press and hold the HOLD button for approximately five (5) seconds, the unit of measure will flash on the display.
3. Release the HOLD button and press the REC button, the temperature reading will switch to the opposite unit of measure. If the meter had been displaying °F, it will now display °C, and vice-versa. Each press of the REC button will switch the display to the opposite unit of measure.
4. With the desired unit of measure appearing, press the HOLD button.

The unit of measure selected will be the default unit of measure for both temperature and dew point until changed.

SELECTING ANEMOMETER UNIT OF MEASURE

1. Place the meter into the Anemometer and Temperature (An/Tmp) display mode (see the "Display Modes" section).

2. Press and hold the HOLD button for approximately five (5) seconds, the unit of measure will flash on the display.
3. Release the HOLD button and press the POWER button, each press of the POWER button will cycle the display through the available units of measure (m/S→Km/h→FPM→mph→Knot→m/S...).
4. Once the desired unit of measure appears, press the HOLD button.

The unit of measure selected will be the default unit of measure until changed.

SELECTING BAROMETER UNIT OF MEASURE

1. Place the meter into one of the following display modes that displays a barometer reading: Bar/An, Bar/Rh, or Bar/Tmp (see the "Display Modes" section).
2. Press and hold the HOLD button for approximately five (5) seconds, the unit of measure will flash on the display.
3. Release the HOLD button and press the POWER button, each press of the POWER button will cycle the display through the available units of measure (hPa→mmHg→inHg→hPa...).
4. Once the desired unit of measure appears, press the HOLD button.

The unit of measure selected will be the default unit of measure until changed.

HOLD FUNCTION

The hold function allows the readings on the display to be "frozen" so that they may be recorded.

1. Press and release the HOLD button to "freeze" the display at the current reading. "HOLD" will appear at the top of the display.
2. Once the reading has been recorded, press and release the HOLD button to return the display to the current reading. "HOLD" will no longer appear on the display.

RECORD MODE (Min/Max Memories)

While in the Record Mode, the maximum and minimum readings for Humidity (rH/Tmp or rH/dP mode), Barometric Pressure (Bar/An, Bar/Rh, or Bar/Tmp mode) or Air Flow (An/Tmp mode) will be recorded, depending on the display mode (see the "Display Modes" section).

Record Mode records the minimum/maximum values achieved for the upper display only. While in the Record Mode, the Automatic Shutoff feature is disabled so that long term monitoring may be performed.

1. Select the desired display mode (see the "Display Modes" section).
2. To enter the Record Mode, press and release the REC button. "REC" will appear on display.
3. To recall the maximum and minimum readings achieved since entering the Record Mode ("REC" appearing on the display), press and release the REC button.
4. The first press of the REC button will display the maximum reading achieved since entering the Record Mode. ("REC MAX" will appear on the display).
5. The second press of the REC button displays the minimum reading achieved since entering the Record Mode. ("REC MIN" will appear on the display).
6. To return the display to the current reading, press and release the HOLD button. "MAX" or "MIN" will no longer appear on the display.
7. To exit from the Record Mode, press and hold the REC button for 3 seconds. "REC" will no longer appear on the display. *The maximum and minimum readings are automatically cleared once the Record Mode has been exited.*

AUTOMATIC SHUTOFF (Disable)

If no button has been pressed for ten (10) minutes, the Automatic Shutoff feature will turn the meter off to preserve battery life.

The automatic shutoff feature setting is overridden while in the Record Mode. (See the "Record Mode" section)

To disable the Automatic Shutoff feature, place the unit into the Record Mode (see the "Record Mode" section).

ALL OPERATION DIFFICULTIES

If this meter does not function properly for any reason, replace the batteries with a new, high quality batteries (see the "Battery Replacement" section). Low battery power can occasionally cause an number of "apparent" operational difficulties. Replacing the batteries with new fresh batteries will solve most difficulties.

BATTERY REPLACEMENT

An erratic display, faint display, no display, or a battery symbol appearing on the display are all indicators that the batteries need replacement. The battery cover is located at the bottom of the unit. While holding the unit upside down, unscrew the battery cover by turning it counter-clockwise. Remove the exhausted batteries and replace them with four (4) new AAA alkaline batteries. Make certain to insert the new batteries with the proper polarity as indicated by the "+" and "-" symbols in the battery compartment. Replace the battery cover and tighten securely.

Warranty, Service, or Recalibration

For warranty, service, or recalibration, contact:

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