

Digital Wind/Temperature & Wind/Temperature/RH Meters

PRODUCT MANUAL

Item # 3141, 3145A



Spectrum[®]
Technologies, Inc.

Thank you for purchasing a 3141 Wind/Temp Meter or a 3145A Wind/Temp/RH Meter. Please read this manual thoroughly before using your meter.

SPECIFICATIONS

Wind Speed range	0.5-44.7mph (0.8-72.0 km/h)
Wind Speed accuracy	±5%, or ± last significant digit
Temperature range	32 to 122°F (0 to 50°C)
Temperature accuracy	±2°F (±1°C)
Humidity range (3145A only)	5 to 95% RH
Humidity accuracy (3145A only)	±3% RH
Power Supply	CR2032 battery

OPERATION

Getting Started

To open the battery cover, use a coin to turn the cover counter-clockwise. Put the battery (CR2032) into the battery compartment (3145A: between the two metal contacts) with the "+" side out. Place the battery cover back on and turn the cover clockwise with a coin to lock the cover. If your LCD display looks blurred, remove the protective film.

Power ON/OFF

Power on the meter by pressing the HOLD/ON/OFF button. All segments on the display will appear for one second. Press and hold the HOLD/ON/OFF button for more than 3 seconds to power off the meter.

The meter will turn itself off after 5 minutes of inactivity. To cancel this function, with the meter off, press and hold HOLD/ON/OFF for more than 3 seconds (until the LCD displays "n"). Release the button. The meter will now stay on until it is turned off. Auto Power off will be re-enabled the next time the meter is turned on.

Taking Measurements

Hold the meter and target the air source from the rear of the unit.
Hold the meter at arm's length, away from your body.

Data Hold

Press the HOLD/ON/OFF button to freeze the display. "HLD" will appear on the LCD, and the current reading will be displayed until the HOLD/ON/OFF button is pressed again.

Viewing the Measurements

Press the UNIT/MODE button to switch between:
Wind Speed - selected speed units will display at the top
Maximum Wind Speed - selected units and MAX will display
Temperature - °F or °C will display on the right
Relative Humidity (3145A) - % will display on the right
Wind Chill Index - WCI and °F or °C will display
Dew Point (3145A) - DP and °F or °C will display
Wet Bulb Temp (3145A) - WBT and °F or °C will display
External Temp Probe will always display dashes and EXT

Selecting Wind and Temperature Units

Press the UNIT/MODE switch to display either the Temperature or Wind Speed. Then press the HOLD/ON/OFF and UNIT/MODE buttons simultaneously to change the units of measurement.

In wind mode, you can choose between BF (Beaufort), FT/M (feet/minute), M/H (miles per hour), KMH (kilometers/hour), M/S (meters/second), and KNT (knots).

In temperature mode, you can choose between °F and °C.

Default Display

The meter initially defaults to displaying Wind Speed when it is turned on. After that, whatever was last displayed before powering off is what will be displayed when the meter is turned on.

Battery Replacement

Turn off the meter, then open the battery cover, using a coin to turn the cover counter-clockwise. Put the battery (CR2032) into the battery compartment (3145A: between the two metal contacts) with the "+" side out. Place the battery cover back on and turn the cover clockwise with a coin to lock the cover.

CAUTION

The meter is accurate at low and mid-range air speeds. Consistent use at high speeds, such as from the window of a fast-moving car, will damage the impeller's bearing and reduce accuracy.

WARRANTY

This product is warranted to be free from defects in material or workmanship for one year from the date of purchase. During the warranty period Spectrum will, at its option, either repair or replace products that prove to be defective. This warranty does not cover damage due to improper installation or use, lightning, negligence, accident, or unauthorized modifications, or to incidental or consequential damages beyond the Spectrum product. Before returning a failed unit, you must obtain a Returned Materials Authorization (RMA) from Spectrum. Spectrum is not responsible for any package that is returned without a valid RMA number or for the loss of the package by any shipping company.



This equipment has been manufactured for
Spectrum Technologies, Inc.
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Aurora, IL 60504 USA

The Manufacturer's **DECLARATION OF CONFORMITY** is on file at the above address, and certifies conformity to the following:

Model Number: 3141, 3145A
Description: Wind/Temp Hand-Held Meter
Type: Electrical Equipment for Measurement, Control, and Laboratory Use
Directive: 2004/108/EC
Standards: EN 61326-1 (2006)
CISPR11
EN 61000-4-2 (1995+A1:1998+A2:2001)
EN 61000-4-3 (2006+A1:2008)

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