

REED

Model R6001 Thermo-Hygrometer with Integral Probe



Instruction Manual

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Features

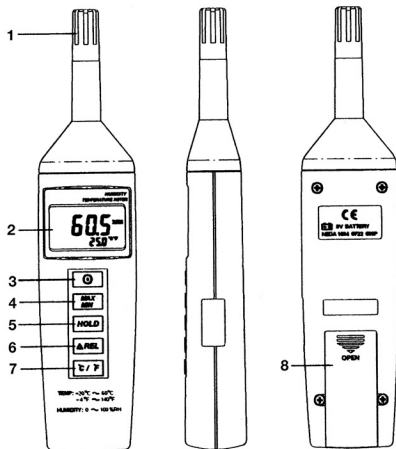
- Dual LCD readout shows ambient temperature and relative humidity
- User selectable °F / °C
- Min/Max memory for both functions
- Data hold and relative functions
- Auto power off

Specifications

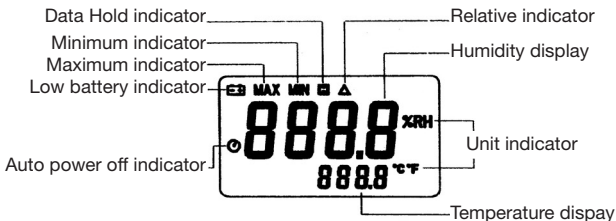
Humidity Range:	0 to 100% RH
Humidity Resolution:	0.1% RH
Humidity Accuracy:	±3% RH
Temperature Range:	-4 to 140°F (-20 to 60°C)
Temperature Resolution:	0.1°
Temperature Accuracy:	±1.6°F/0.8°C
Operating Condition:	0 to 40°C (< 80% RH)
Storage Condition:	-10 to 60°C (< 70% RH)
Altitude:	Up to 2000 meters
Sample Rate:	2.5 times per second
Power Supply:	Single 9V battery (included)
Dimensions:	9.5 x 2.1 x 1.3" (240 x 54 x 34mm)
Weight:	6.4 oz (180g)
Optional Accessories:	33% Humidity Calibration Standard (RHA-33) 75% Humidity Calibration Standard (RHA-75) Soft Carrying Case (CA-05A)

Instrument Description

1. Dust mask
2. LCD display
3. ON/OFF button
4. MAX MIN button
5. HOLD button
6. RELATIVE button
7. °C/°F button
8. Battery cover



Display Description



Operating Instructions

Press the ON/OFF button to turn the meter ON or OFF.

Temperature Unit

When the meter is first powered on the default temperature scale is set to °C. Press the °C/°F button to switch between °C or °F. The selected unit will be saved as the new default.

Data Hold Function

Press the HOLD button to freeze the present reading on the display. Press the HOLD button again to resume normal measurement. When the meter is in the Data Hold function the REL, MAX/MIN, and °C/°F buttons are disabled.

Relative Function

Press the REL button to store the current measurement. The difference between the any new measurement and the stored measurement will be shown on the display. Press the REL button again to exit Relative function.

MAX/MIN Function

Press the MAX/MIN button to start the MAX/MIN function. The meter will display the maximum and minimum value which is updated with every new measurement. The MAX symbol will appear on the display when the meter is displaying the maximum value. Press the MAX/MIN button to display the minimum value, which will also display the MIN symbol. Press the MAX/MIN button again and MAX/MIN will blink together. This means that the data is updated and the reading is the present temperature and humidity. Press the MAX/MIN button to circulate the display mode among these options. When the meter is in MAX/MIN mode, the REL and °C/°F buttons are disabled. To exit the MAX/MIN mode, press and hold the MAX/MIN button for two seconds.

Auto Power Off

By default, when the meter is powered on it is under auto power off mode. The meter will power itself off after 30 minutes of inactivity. To disable the auto power off feature press and hold the HOLD button and then power on the meter. The auto power off symbol will disappear to indicate that auto power off is disabled.

Temperature Calibration

It is recommended to calibrate temperature before you calibrate humidity.

1. Turn the meter off.
2. Press the HOLD, °C/°F, and ON/OFF button.
3. When the LCD flashes, press the °C/°F button to enter calibration mode indicated by CAL 1 on the LCD.
4. Place the probe in a stable 0°C environment for 10 minutes. Press MAX/MIN button to adjust the reading. Calibration will be done after a long beep. The user can skip this calibration point by pressing ON/OFF button.
5. After CAL 1 the meter will display CAL 2 to calibrate the second calibration point.
6. Place the probe in a stable environment at 40°C for 10 minutes then press MAX/MIN key to start the adjusting. Calibration will be done after a long beep. The operator can also skip this step by pressing ON/OFF button. After the calibration, the meter will go back to normal operation mode.

Humidity Calibration

1. Turn the meter off.
2. Press the HOLD, °C/°F, and ON/OFF button.
3. When the LCD flashes, press the REL button to enter calibration mode indicated by CAL 1 on the LCD.
4. Put the meter in a stable environment of 33%RH @ 25°C for 30 minutes then press the MAX/MIN button to start the adjusting. Calibration will be done after a long beep. The user can skip this calibration point by pressing the ON/OFF button.
5. After CAL 1 the meter will display CAL 2 to calibrate the second calibration point.
6. Put the meter in a stable environment of 75%RH @ 25°C for 30 minutes then press MAX/MIN button to start the adjusting. Calibration will be done after a long beep. The user can skip this calibration point by pressing ON/OFF button. After calibration the meter will go back to normal mode.

Factory Default Calibration


1. Turn the meter off.
2. Press the HOLD, °C/°F, and ON/OFF button.
3. When the LCD flashes, press the MAX/MIN button to reset the meter to the factory default calibration.
4. After a long beep, the calibration data has reset.

For service on this or any other REED product or for information on other REED Products, contact REED Instruments at info@reedinstruments.com

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Battery Replacement

When the battery voltage is under proper operation requirement, the  symbol will show on the LCD and the battery needs to be replaced with a new one.

Notes
