

# Model 445815 Humidity Alert II

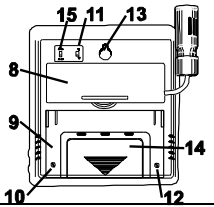
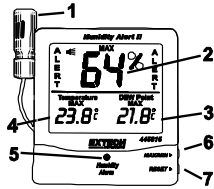
## Humidity Indicator with Dew Point and Programmable Hi/Lo %RH Alarms

### Introduction

Congratulations on your purchase of Extech's Humidity Alert II Remote Probe Hygro-Thermometer. Humidity alarms warn when the %RH exceeds a pre-set HI or LO limit. The remote probe conveniently mounts on the meter or extends for measurements in ducts or remote locations. It also features Humidity and Temperature adjustments. The unit can be wall-mounted or placed on a flat surface using the fold-out stand. This professional meter, with proper care, will provide years of safe reliable service.

### Meter Description

1. Temperature-Humidity Sensor
2. %RH Display
3. Dew Point Display
4. Temperature Display
5. %RH LED alarm
6. Max/Min push button
7. Reset push button
8. Sensor cable storage
9. Tilt Stand
10. Humidity calibration adjust
11. Temperature units switch (°F/°C)
12. Temperature calibration adjust
13. Wall hanger
14. Battery compartment
15. Audible Alarm ON/Off switch



### Cautions

- Do not leave batteries and packing material lying around unattended; they can be dangerous for children if they use them as toys
- In case the device is going to be unused for an extended period of time, remove the batteries to prevent them from training
- Expired or damaged batteries can cause cauterization on contact with the skin. Always, use suitable hand gloves in such cases
- See that the batteries are not short-circuited. Do not throw batteries into the fire.

### Operation



#### Preparation for use

Open the battery compartment by pushing the cover on the rear of the instrument downward as indicated by the arrow. Remove the battery insulating strip and the protective film cover on the LCD display.

#### Temperature Units

Select °F or °C units using the rear selection switch.

#### Audible alarm

Select  or  using the rear selection switch to turn the audible alarm on or off.


#### Maximum / Minimum display

1. Press the MAX/MIN button. The highest value measured since the Reset button was last pressed appears on the display.
2. Press the MAX/MIN button again to display the lowest value measured since the Reset button was last pressed.
3. Press the MAX/MIN button again to return to normal display operation.

#### Resetting (clearing) the MAX/MIN memory

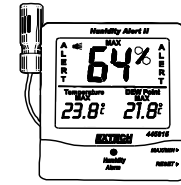
1. Press the MAX/MIN button to enter the MAX/MIN mode.
2. Press and hold the RESET button for 1 second to clear the memory and start recording new max/min values.

#### Setting the %RH Alarm Limits.

1. Simultaneously Press and HOLD the MAX/MIN and RESET button until "HI" and the stored HI %RH limit appears flashing.
2. Press the RESET button to set the Hi %RH limit. Hold the button in for rapid adjustment.
3. Press the Max/Min button. "LO" and the stored LO %RH limit will appear flashing
4. Press the RESET button to set the LO %RH limit.
5. Press the Max/Min button to turn on or off the alarm. The alarm icon  will appear in the display when the alarm is active.
6. Press and hold the RESET button to save the settings and exit the mode.

#### Alert

If %RH exceeds the HI limit or goes below the LO limit the alert will be activated. The alert consists of two flashing 'ALERT' icons in the upper display, a flashing red light (for 60 seconds) and an audible buzzer (for 60 seconds)



### Calibration

#### RH Calibration

1. Insert meter's sensor into a humidity chamber. The reference should be 85% RH at 21°C.
2. Check the reading after 1 hour.
3. Adjust the RH calibration pot in ½ turn increments, waiting for the display to update after each adjustment, until the reading is within the accuracy specification.

#### Temperature Calibration

1. Place the sensor in a stabilized environment of approximately 21°C.
2. Check the reading after 1 hour.
3. Adjust the temperature calibration pot in ½ turn increments, waiting for the display to update after each adjustment, until the reading is within the accuracy specification.

### Battery Replacement

Open the battery compartment by sliding the battery cover on the rear of the instrument downward as indicated by the arrow. Replace the 1.5V 'AAA' batteries and replace the cover.

### Specifications

	Range	Accuracy
Temperature	14 to 140°F -10 to 60°C	± 1.8°F within 14°F to 122°F ± 1.0°C within -10°C to 50°C
Humidity	10% to 99%	± 4% RH within 25% to 85% RH and 0 to 50°C or 32 to 122°F
Dew Point	-32.8 to 140°F -36 to 60°C	+/-3.6°F @ 68°F +/-2°C. @ 20°C
Battery	(2) 1.5V 'AAA' cell	
Weight	6 oz (169g)	
Dimensions	Display: 4.3x3.9x0.8" (109x99x20mm) Probe: 0.57" (14.4mm) Dia.: 1.67"(42.4mm) L Cable length 18" (457mm)	

## ***Two-year Warranty***

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*Teledyne FLIR warrants this Extech brand instrument to be free of defects in parts and workmanship for **two years** from date of shipment (a six-month limited warranty applies to sensors and cables). To view the full warranty text please visit:*

*<https://www.flir.com/support-center/warranty/instruments/extech-product-warranty/>.*

## ***Calibration and Repair Services***

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**Teledyne FLIR offers calibration and repair services** for the Extech brand products we sell. We offer NIST traceable calibration for most of our products. Contact us for information on calibration and repair availability, refer to the contact information below. Annual calibrations should be performed to verify meter performance and accuracy. Product specifications are subject to change without notice. Please visit our website for the most up-to-date product information:

[www.flir.com/landing/extech/](http://www.flir.com/landing/extech/).

## ***Contact Customer Support***

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**Customer Support - Local Telephone List:**

<https://support.flir.com/contact>

**Obtain a Return Material Authorization (RMA):**

<https://customer.flir.com/Home>

**Contact Customer Service:**

<https://support.flir.com/ContactService>

**Technical Support Center:** <https://support.flir.com>

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