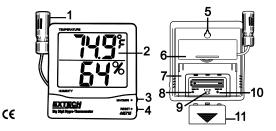# EXTECH®

**Big Digit
Remote Probe
Hygro-Thermometer
Model 445715**

CE

Introduction

Congratulations on your purchase of the Extech Big Digit Remote Probe Hygro-Thermometer. It features Humidity and Temperature readouts and can be calibrated using the optional calibration salt bottles (order no. 445580-C). The remote probe conveniently mounts on the meter (1) or extends for measurements in ducts or other remote locations.

Operation

1. Open the battery compartment (7) by pushing the cover (11) on the rear of the instrument downward as indicated by the arrow and remove battery safety strip.
2. Remove the protective cover on the LCD display (2) and take the Probe out of the probe compartment (6). The meter is now ready for use.
3. The temperature units (^{o}F/^{o}C) can be selected via the switch (9) located in the battery compartment.
4. The upper display indicates the temperature. The lower display indicates humidity.
5. Displaying the minimum and maximum values:
   a. Press the MAX/MIN button (3). The highest value measured since the Reset button (4) was last pressed appears on the display.
   b. Press the MAX/MIN button again to display the lowest value measured since the Reset button was last pressed.
   c. Press the MAX/MIN button again to return to normal display operation.
6. Resetting (clearing) the MAX/MIN memory. Press and hold the RESET button (4) for 1 second while in the MAX/MIN display mode to clear the memory and start recording new max/min values.
7. User can select wall-mounting (5) or flat surface use with fold-out footing (7).
8. The low battery icon will appear on the display when the battery voltage is low. Replace the battery when this occurs.

Battery Replacement

Slide the rear battery cover (11) downward as indicated by the arrow. Replace the 1.5V 'AAA' battery and replace the cover.

Calibration

The following verification and calibration procedure requires a humidity chamber or the optional 33% and 75% RH reference bottles (order no. 445580-C).

RH Accuracy Verification (Checking the 33% or 75% RH Calibration)
1. Insert meter's sensor (1) into the 33% or 75% salt bottle or humidity chamber.
   Note: Slowly rotating the bottle will assist in placing it over the sensor.
2. Allow the meter to stabilize for 1 hour at the reference RH and then verify that the reading is within the accuracy specification.

RH Calibration
1. Insert meter's sensor into a 75% salt reference bottle or humidity chamber.
2. Check the reading after 1 hour.
3. Adjust the RH calibration pot (8) in ½ turn increments, waiting for the display to update after each adjustment, until the reading is within specification.
4. Repeat the RH accuracy verification procedure.
Note: Replace bottle if the salt at the bottom of the calibration bottle appears dry.

Temperature Calibration
1. Place the sensor in a stabilized environment of approximately 70°F (21°C).
2. Check the reading after 1 hour.
3. Adjust the temperature calibration pot (10) in ½ turn increments, waiting for the display to update after each adjustment, until the reading is within specification.

Specifications

	Range	Accuracy
Temperature	14 to 140ºF	± 1.8ºF within 14ºF to 122ºF
	-10 to 60ºC	± 1.0ºC within -10ºC to 50ºC
Humidity	10% to 99%	± 4% RH within 25% to 85% RH and 32 to 122ºF (0 to 50ºC)
Battery	1.5V 'AAA' cell	

⌧ You, as the end user, are legally bound (**Battery ordinance**) to return all used batteries and accumulators; **disposal in the household garbage is prohibited!**

You can hand over your used batteries / accumulators at collection points in your community or wherever batteries / accumulators are sold!

Disposal: Follow the valid legal stipulations in respect of the disposal of the device at the end of its lifecycle

Two-year Warranty

*Teledyne FLIR LLC 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:*
http://www.extech.com/support/warranties.

Calibration and Repair Services

Teledyne FLIR LLC 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.extech.com.

Contact Customer Support

Customer Support Telephone List: https://support.flir.com/contact

Calibration, Repair, and Returns: repair@extech.com

Technical Support: https://support.flir.com