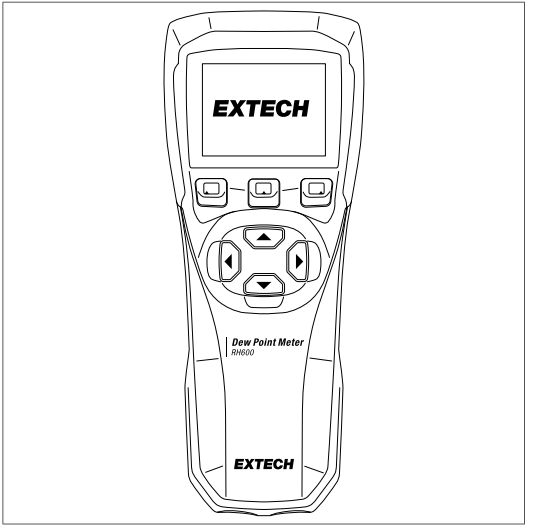
EXTECH

Quick Start

Dew Point Meter
RH600



Quick Start (en)

INTRODUCTION

The RH600 measures temperature and relative humidity, with the detachable RH601 probe, and calculates other readings, including dew point and frost point.

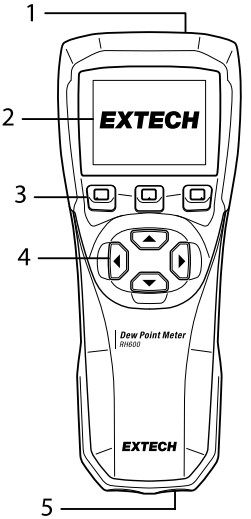
The threaded probe can be directly mounted in a process or held freely in ambient air.

The RH600 can record up to 32,000 readings using the Data Logger and Data Hold functions. Readings can be viewed directly on the RH600 display or on a PC. For complete information, refer to the user manual available on the Extech website.

QUICK STEPS

1. Insert the supplied battery in the rear battery compartment. The compartment is secured by one screw.
2. Connect the probe to the port at the bottom of the meter. The connection is keyed so the probe connector can only be inserted in one orientation. Secure the connection by tightening the knurled screw.
3. Remove the probe's protective cap and mount it in the process under test or hold it in ambient air.
4. Short press the orange F2 function button ▭ to power the meter, the Home page will appear after several seconds.
5. Read the three displayed readings. The temperature measurement, shown at centre, is fixed. The other two readings can be selected in the programming menu. Press the left or right arrow button to view the readings in a summary format.
6. Press F1 ▭ under the graph icon 📈 to view readings in real-time, plotted on a graph. The graph icon will then appear above F3. Use F3 to step through all the graphs.
7. While viewing a real-time reading graph, press F2 to set the interval of time between readings from 1 second (1 S) to 10 minutes (10 min).
8. Press F1 under the return arrow icon ↩ to exit a menu.
9. Press F3 ▭ under the menu icon ⚙ to open the programming menu.
10. To power off, long press F2.
11. To recharge the battery, connect the meter to an AC source using the supplied USB cable and AC plug.

DESCRIPTIONS

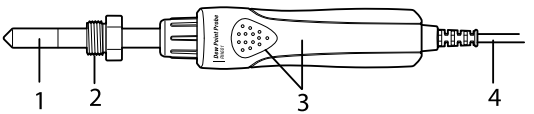


METER (RH600)

1. USB port for charging and PC interface.
2. Color LCD.
3. Function buttons (F1, F2, F3, left to right).
4. Navigation/programming arrow buttons.
5. Probe connector.

Battery compartment and mounting hole located on back of RH600

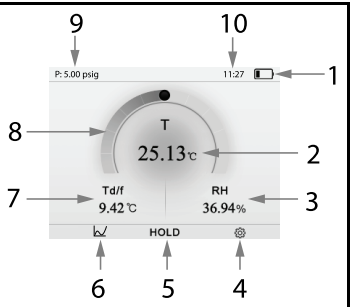
PROBE (RH601)



1. Sensor tip with protective cap.
2. Mounting threads (0.5 inch).
3. Handle grip.
4. Connecting cable.

HOME PAGE

Short press F2 to switch ON the RH600. The Home page, shown below, will appear.



1. Battery voltage status.
2. Temperature reading.
3. Selectable reading.
4. Programming menu (press F3).
5. Data Hold (press F2).
6. View real-time readings plotted on graphs (press F1).
7. Selectable reading.
8. Temperature reading bar graph.
9. Selectable pressure value.
10. Time (hours and minutes).

CONTROL BUTTONS

The function buttons (F1 ▭, F2 ▭, and F3 ▭) are located directly below the display. The function that is selected by pressing one of these buttons is dependent on the icon directly above it, in most cases. The only exception is the F2 power ON/OFF functions; short press F2 to power the meter ON, long press F2 to power OFF. The four arrow buttons (◀▶▲▼) are used to navigate and change settings in menus.

📈	From the Home page, press F1 to view real-time readings plotted on graphs. When you select **View Data File** in the *Recording* menu, and then open a data file, press F3 to view the readings plotted on graphs.
1 S	While viewing real-time readings on a graph, press F2 to set the interval of time between readings. The options are 1, 5, or 30 seconds (S) and 1, 5, or 10 minutes (min).
HOLD	Data Hold mode. Press F2 to freeze readings.

	Press F3 to open the programming menu.
	Press F1 to return (exit) from a menu.
	Press F3 to save the readings that are held in the Data Hold mode.
	Press F3 to open, confirm, or change a menu option.
	In the *Recording* menu, when you are viewing a data file, press F2 to view the data on a summary page.

PROGRAMMING MENU

Press F3 ⚙ to open the menu. The menu has five items: *Functions*, *Recording*, *Display*, *Environment*, and *Settings*. Use the left/right arrow buttons to highlight an item. Press F3 ✓ to open a selected item. Use the arrow and function buttons to make changes to menu options. Press F1 ↩ to exit a menu. See the user manual for full details.

Functions menu

Configure and activate the low and high alarms. Initiate meter-to-PC communication after connecting the RH600 to a PC with the supplied USB cable.

Recording menu

Configure and start/stop the data logger. View data, erase data, and transfer data to a PC.

Display menu

Select the two Home page reading options that will display on the left and right side of the temperature reading. Set the unit of measure for reading options.

Environment menu

Set the probe Pressure and Molar Mass to match the gas under test. Select 'Purification' to purge the probe of process moisture or condensation.

Settings menu

Set the displayed language, automatic power off time, display brightness level, date/time, and keypad tone.

READING RANGES AND RESOLUTION

See User Manual for complete specifications.

Reading	Range and Resolution
Temperature (T)	14.00 to 140.00°F (-10.00 to 60.00°C)
Dew/Frost point temperature (T d/f)	-58.00 to 86.00°F (-50.00 to 30.00°C)
Dew point temperature (Td)	-58.00 to 86.00°F (-50.00 to 30.00°C)
Dew/Frost point in atmospheric pressure (T d/f atm)	-58.00 to 68.00°F atm (-50.00 to 20.00°C atm)
Dew point in atmospheric pressure (Td atm)	-58.00 to 68.00°F atm (-50.00 to 20.00°C atm)
Relative humidity (RH%)	0 to 100 %RH
Humid air / dry air (H_2O ppm)	4 to 20,000 H_2O PPM_v [by volume] or PPM_w [by weight]
Absolute humidity (a)	0.2 to 40.0 gr/ft^3 (0.5 to 100.0 g/m^3)
Mixing ratio (x)	2 to 700 gr/lbs (0.2 to 100 g/kg)

EXTECH

Quick Start

Disclaimer
Specifications subject to change without further notice. Models and accessories subject to regional market considerations. License procedures may apply. Products described herein may be subject to US Export Regulations. Please refer to exportquestions@flir.com with any questions.

Publ. No.: NAS100115
Release: AC
Commit: 86475
Head: 86475
Language: en-US
Modified: 2022-08-09
Formatted: 2022-08-09