

DHT 600 THERMO-HYGROMETER

WARRANTY • OPERATING INSTRUCTIONS • MAINTENANCE • SPECIFICATIONS

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Congratulations on your selection of a new DHT 600 Thermo-Hygrometer from Dri-Eaz Products, Inc. It is our goal to offer you the best high performance thermo-hygrometer available. We invite your written appraisal and suggestions for improvements. Reading this information will help you achieve maximum benefit from your instrument.

WARRANTY

First 90 Days - Full Warranty: Dri-Eaz Products, Inc. promises to the original purchaser to repair or replace any part of a DHT 600 Thermo-Hygrometer that proves to be defective in workmanship or materials for a period of ninety (90) days from the date of purchase. During the first ninety days, Dri-Eaz Products Inc. will cover all materials, labor costs and shipping costs TO and from the service center.

After 90 Days - Parts Warranty: During the first year, Dri-Eaz Products, Inc. will provide all parts necessary to correct any part of a DHT 600 Thermo-Hygrometer that proves to be defective in workmanship or materials free of charge. The customer is responsible for labor at the prevailing rate and for shipping costs to the service center.

After One Year: The customer is responsible for all repair charges including parts and labor, at the prevailing hourly rate and shipping costs to and from the service center.

This warranty shall not extend to any products showing effects of misuse, disassembly, alteration, lack of proper maintenance, corrosive chemicals, improper voltage, accident damage, unauthorized repairs, use of other than genuine parts and materials, fire, flood, normal wear or any other causes beyond Dri-Eaz Products' control.

Note: To receive warranty service, you must write in or call for a Return Authorization. **No unit will be accepted without its serial number and an authorization number**, nor will any credit be given until the defective parts are received. The warranty obligation extends only to the repairs or replacement of parts found, upon Dri-Eaz Products' examination, to be defective.

The foregoing constitutes the entire warranty and no other warranty, liability, contingency or responsibility, direct, indirect, consequential or in any way connected with the sale or operation of equipment products is expressed or implied.

Note: Please direct questions on the warranty to an authorized distributor or Dri-Eaz Products, Inc. at (360) 757-7776.

DHT 600

The DHT 600 is a battery operated pocket sized meter for measurement of ambient relative humidity and temperature. The humidity and temperature sensors are housed at the tip of an extendible probe, where a semi-permeable membrane filter protects the humidity probe against water and dust. For easy use, the meter features a HOLD function for the display and automatic power-off function.

For humidity measurement, the DHT 600 utilizes a high accuracy, high reliability humidity sensor. Temperature measurement is based on a Pt 100 temperature sensor.

OPERATION

The DHT 600 thermo-hygrometer has four function push-buttons and a display.

1. On/off push-button (ON/OFF)

To switch power on, press the ON/OFF push-button. This automatically states measurement of relative humidity (% Rh).

2. Temp measurement push-button (TEMP)

For temperature measurement, press the TEMP push-button. TEMP measurement mode is indicated by a (+) or (-) on the display.

3. Rh push-button (% RH)

Relative humidity is always positive. If a colon (:) is indicated in front of the displayed reading, the meter reads "negative" Rh. This condition typically occurs when the meter has not been calibrated after sensor replacement.

4. Reading hold push-button (HOLD)

Pressing the HOLD push-button locks the reading in the display. A (▲) indicates the HOLD mode. The meter remains in HOLD mode until measurement is returned by pressing any of the push-buttons 4, 3 or 2.

5. Low battery indication (B)

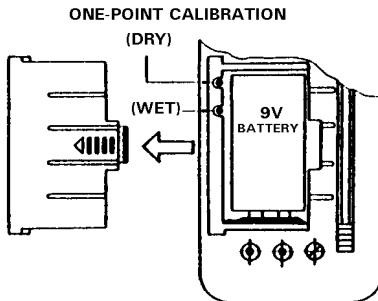
When battery voltage is low, a (B) is displayed. To ensure trouble-free operation, replace the battery normally after about 50 hours of operation.

Automatic power off

The meter automatically switches off after about 3 minutes, unless a push-button is pressed or the meter is set in HOLD mode.

Operating voltage

The meter uses a standard 9 V battery. The battery is located under a protective lid on the backside of the meter.



MAINTENANCE

Calibration

Calibration and maintenance of the meter should be performed at regular intervals, at least once a year or more often depending on the conditions of use and desired accuracy. A one-point calibration may be performed for the DHT 600 meter by adjusting the trimmer potentiometer marked "DRY". This field calibration can be performed against another calibrated humidity meter. The trimmer potentiometers are located under the protective lid of the battery compartment.

Chemical Exposure

Long term exposure of the sensor to certain chemicals and gases may shorten sensor life. These include organic solvents, aggressive chemicals (strong acids), weak acids, and bases.

RESTORATION PROCEDURES

Monitor and record the temperature and the relative humidity readings. This data enables you to determine the specific humidity, and therefore know what procedures you will take as the drying progresses. Since the humidity and temperature outdoors can affect the drying process, you should evaluate and

record temperature and humidity both inside and outside the structure throughout the restoration process. Since conditions are continually changing, you should perform frequent and regular monitoring to ensure cost-efficient drying and maintain a "Balanced Drying System". For more information on the use of Thermo-Hygrometers, read: [Restorative Drying](#).

SPECIFICATIONS

Measurement Range - Rh	0 - 100%
Measurement Range - Temp	-4 to +140 F
Measurement Range - Temp	-20 to +60 C
Accuracy Rh	± 2% Rh
Accuracy Temperature	± 0.5 F or ± 0.3 C
Display	3 1/2 digit LCD
Supply Voltage	9 V Battery
Battery Operation Time	50 hours (typ)
Automatic Power off	After 3 minutes
Width x Height x Depth in.	2.2" x 6.3" x 1"
Width x Height x Depth mm	57 x 160 x 27 mm

OTHER INSTRUMENTS

Moisture Counter - Non Penetrating Meter

The Moisture Counter is effective for initial troubleshooting and inspection, because it gives a quick indication of where the moisture source is located, or where there is "abnormal" moisture. It allows you to rapidly evaluate where moisture is a problem without penetrating the material's surface.

HydroSensor® Penetrating Moisture Probe

Use the HydroSensor for simple and quick moisture detection. It is designed to detect moisture in carpets, cushion, floors, walls, and furniture. When the probe tips penetrate the surface, an electric current is sent between the probes. The moisture present is indicated by the frequency of the blinking light and beep tone.

Moisture PRO Penetrating Moisture Meter

The Moisture PRO is designed to accurately measure moisture content in wood, drywall and other porous building materials. It is portable, battery powered and pocket sized, with a lightweight aluminum housing and a clear view digital LCD meter for moisture readings. A choice of electrodes is available including a shallow penetration, hammer type and deep wall type.

DHT 200 Thermo-Hygrometer

Use the DHT 200 for measuring relative humidity and temperature of the air. It is a dual function digital meter which measures the percent of relative humidity over a range of 5% to 95% and the air temperature in a variety of environments from 32° to 132° Fahrenheit or 0° - 56° Celsius.