Humidity Probe

850074

Instruction Manual

SPER
SCIENTIFIC LTD.
I. INTRODUCTION

This probe features a thin-film capacitance sensor for fast-response relative humidity (RH) readings without depending on air movement. Measures a wide range of both RH and temperature in °C and °F. With the plug-and-play feature of this probe, calibration procedures are not required. The meter features Hold, Max./Min, RS232 and Auto Shut Off. The meter features Hold, Max./Min, RS232 and Auto Shut Off.

II. PANEL DESCRIPTION

<table>
<thead>
<tr>
<th>1. LCD Display</th>
<th>5. °C/°F (A) Button</th>
<th>9. Probe Lock</th>
</tr>
</thead>
<tbody>
<tr>
<td>3. REC. Button</td>
<td>7. Battery</td>
<td>11. Probe Head</td>
</tr>
</tbody>
</table>
III. MEASUREMENT PROCEDURES

- Plug probe into the PROBE INPUT SOCKET.
- Make sure the PROBE LOCK is in the lock position.
- Turn on the instrument by pressing the POWER button.
- Place the PROBE HEAD into the environment to be measured.
- The RH results are displayed on the LCD.
- Press the °C/°F (A) button to select Centigrade or Fahrenheit. The temperature is on the bottom-right of the LCD.

Refer to the Environmental Quality Meter 850071 Instruction Manual for complete instructions about Hold, Max./Min, RS232, Auto Shut Off, and other functions.

IV. SPECIFICATIONS

<table>
<thead>
<tr>
<th>Unit of Measure</th>
<th>Range</th>
<th>Resolution</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>RH (probe)</td>
<td>10% to 95%</td>
<td>0.1%</td>
<td>&gt;70% RH to ±(3% reading + 1% RH)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>&lt;70% RH to ±3% RH</td>
</tr>
<tr>
<td>°C</td>
<td>0 ~ 50</td>
<td>0.1</td>
<td>±0.8°</td>
</tr>
<tr>
<td>°F</td>
<td>32 ~ 122</td>
<td></td>
<td>±1.5°</td>
</tr>
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</table>

Humidity Sensor | High precision thin-film capacitance sensor.
Temperature Sensor | Precision thermistor.
Operating Temperature | 0°C to 50°C (32°F to 122°F).
Operating Humidity (Meter) | Max. 80% RH.
Probe Size | Probe head diameter: .1" (25mm). Probe length: 6.3" (160mm).

Refer to the Environmental Quality Meter 850071 Instruction Manual for meter specifications.
ONE YEAR WARRANTY

Sper Scientific warrants this product against defects in materials and workmanship for a period of one year from the date of purchase, and agrees to repair or replace any defective unit without charge. If your model has since been discontinued, an equivalent Sper Scientific product will be substituted if available. This warranty does not cover damage resulting from accident, misuse, or abuse of the product. In order to obtain warranty service, simply ship the unit postage prepaid to:

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