Features:

- Triple display with backlighting
  - View Air temp + RH + surface temp
  - View Dew Point + RH + surface temp
  - View Wet Bulb + RH + surface temp
- InfraRed Thermometer with
  - Built-in laser pointer
  - 8:1 distance to target ratio
  - Adjustable Emissivity from 0.3 to 1.0
- Precision humidity capacitance sensor is retractable for protection during transportation and storage
- Calculates T1 (IR Surface Temperature) - DP (Dew Point) differential
- Programmable Auto power off and Low battery indication
- Over-range/under-range alert indicator
- Built-in RS-232 interface for capturing readings on a PC
- RH401 complete with 4 AAA batteries and carrying case
- Optional RH405 kit includes meter, 33% and 75% calibration bottles, RS-232 cable, 4 AAA batteries and carrying case

Applications:

- Monitor Wet Bulb, Dew Point, Relative Humidity and Temperature in factories, clean rooms, offices, and greenhouses
- Non-contact InfraRed surface temperature measurements in hard to reach areas such as heating and air conditioning duct
- Humidity monitoring in schools, offices and manufacturing or storage areas

Specifications:

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Range</th>
<th>Max Resolution</th>
<th>Basic Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humidity:</td>
<td>10 to 90%RH</td>
<td>0.1%RH</td>
<td>±3%RH</td>
</tr>
<tr>
<td>InfraRed Temperature:</td>
<td>-40 to 932°F (-68.0 to 500°C)</td>
<td>0.1°F</td>
<td>±3°F</td>
</tr>
<tr>
<td>Air Temperature:</td>
<td>-4 to 122°F (-20 to 50°C)</td>
<td>0.1°F</td>
<td>±3°F</td>
</tr>
<tr>
<td>Dew Point:</td>
<td>-90.4 to 122°F (-68.0 to 500°C)</td>
<td></td>
<td>±3°F</td>
</tr>
<tr>
<td>Wet Bulb:</td>
<td>-2.8 to 122°F (-21.6 to 49.9°C)</td>
<td></td>
<td>±3°F</td>
</tr>
<tr>
<td>Emissivity:</td>
<td>Adjustable from 0.3 to 0.99</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Field of View:</td>
<td>8:1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions/Weight:</td>
<td>6.8 x 2.7 x 1.9” (175 x 70 x 50 mm)/ 4.9 oz (140 g)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Ordering Information:

- RH401..............Digital Psychrometer + InfraRed Thermometer
- RH401-NIST........Digital Psychrometer + InfraRed Thermometer w/NIST Cert
- RH405.............Digital Psychrometer + InfraRed Thermometer Kit
- RH405-NIST........Digital Psychrometer + InfraRed Thermometer Kit w/NIST Cert
- 444733..............38% RH calibration reference
- 444755..............75% RH calibration reference
- 589250..............RS-232 cable

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