The SERIES RH-R Humidity Transmitter is the ideal transmitter for those applications where space is limited. The compact sensor is protected by a removable filter. It can be mounted up to 16 feet away from the weatherproof base. The Series RH-R is ideal for environmental chambers, rubber bladder burst detection and air handler applications.

**FEATURES/BENEFITS**

- Cable lengths from 4 to 16'
- Remote housing allows for flexibility sensing where space may be limited

**APPLICATIONS**

- Process system monitoring
- Environmental chambers
- Air economizers
- Remote housing allows for flexibility
- Polycarbonate, aluminum enclosure
- NEMA 4X (IP66)

**SERIES 657**

**RELATIVE HUMIDITY/TEMPERATURE TRANSMITTER**

Dual Channel Design for Simultaneous 4 to 20 mA Output Signals

The SERIES 657 Transmitters provide two 4 to 20 mA channels to produce separate output signals for both relative humidity and temperature. These devices deliver ±2% accuracy for humidity and ±1°F for temperature measurements. Stainless steel probe can be easily mounted to most ductwork using either of the two optional kits below.

**FEATURES/BENEFITS**

- Polymer film humidity and thin film RTD temperature sensors offer highly reliable and stable measurements.
- Remote mount housing offers installation flexibility (657C-1)
- Rugged die-cast aluminum housing is great for industrial applications (657C-1)

**APPLICATIONS**

- Cleanroom monitoring
- HVAC/building control monitoring

**SPECIFICATIONS**

- Service: Dry clean air.
- Relative Humidity Range: 0 to 100% RH.
- Temperature Range: -40 to 140°F (-40 to 60°C).
- Accuracy: ±2% @ 10-90%RH.
- Temperature Limits: -40 to 140°F (-40 to 80°C).
- Storage Temperature: -40 to 176°F (-40 to 80°C).
- Compensated Temperature Range: -4 to 140°F (20 to 60°C).
- Power Requirements: 10 to 35 VDC.
- Output Signal: 4 to 20 mA loop powered.
- Response Time: Less than 15 s.
- Electrical Connections: Terminal block.
- Conductivity Connection: 1/2” NPT.
- Process Connection: 1/2 NPSM.
- Drift: < 1%/year.
- RH Sensor: Capacitance polymer
- Cable Length: Up to 16’.
- Housing Material: Polycarbonate, aluminum enclosure.
- Agency Approvals: CE.

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Cable Length</th>
<th>Description</th>
<th>Output</th>
<th>Price</th>
<th>Model</th>
<th>Cable Length</th>
<th>Description</th>
<th>Output</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>RHT-R004</td>
<td>4’</td>
<td>Humidity</td>
<td>Current</td>
<td>$248.00</td>
<td>RHT-R004</td>
<td>4’</td>
<td>Humidity/temperature</td>
<td>Current</td>
<td>$259.00</td>
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<tr>
<td>RHT-R008</td>
<td>8’</td>
<td>Humidity</td>
<td>Current</td>
<td>$248.00</td>
<td>RHT-R012</td>
<td>12’</td>
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<tr>
<td>RHT-R016</td>
<td>16’</td>
<td>Humidity</td>
<td>Current</td>
<td>$248.00</td>
<td>RHT-R016</td>
<td>16’</td>
<td>Humidity/temperature</td>
<td>Current</td>
<td>$259.00</td>
</tr>
</tbody>
</table>

**ACCESSORIES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
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<tr>
<td>A-158</td>
<td>Split flange</td>
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<tr>
<td>A-159</td>
<td>Mounting gland</td>
<td>$28.00</td>
</tr>
</tbody>
</table>

**OPTION**

- To order add suffix: Description | Price
- NIST | NIST traceable humidity calibration certificate | $121.00

Example: 657C-1-NIST