The Series RHP Temperature and Humidity Transmitters combine the voltage or current humidity transmitter output with a passive temperature thermistor or RTD output. Featuring polymer capacitance humidity sensors, models are available with 2%, 3% or 5% accuracies. Duct mounted transmitters are available with an optional two-line alpha numeric LCD display.

**FEATURES/BENEFITS**
- 2%, 3%, or 5% accuracy models
- Optional LCD display on duct mount models
- Radiation shield option for outdoor installation in direct sunlight

**APPLICATIONS**
- Air economizers
- Outdoor temperature and relative humidity reference
- Pool room humidity monitoring

**MODEL CHART**

<table>
<thead>
<tr>
<th>Example</th>
<th>RH:passive temperature sensor transmitter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accuracy</td>
<td>2%</td>
</tr>
<tr>
<td>RH:passive temperature sensor transmitter</td>
<td>+$30.25</td>
</tr>
</tbody>
</table>

**HOUSING**
- Duct mount with plastic filter: 101.00
- Duct mount with HDPE filter: 101.00
- OSA (outside air): 98.00
- OSA with sintered filter*: 103.00
- Radiation shield: 160.00

**RH OUTPUT**
- 0-20 mA: 101.00
- 0-10 V: 98.00
- ±5 VDC: 98.00

**TEMPERATURE SENSOR**
- None: -10.00
- 4-20 mA: +10.50
- 0-10 VDC: +10.50
- 0-5 VDC: +10.20
- 10K @ 25°C thermostat type III: ±5.20
- 10K @ 25°C thermostat type II: ±5.20
- 3K @ 25°C: ±6.20
- 100K RTD DIN 385: ±6.20
- 1K @ 25°C DIN 385: ±6.20
- 20K @ 25°C: ±6.20

**OPTIONS**
- LCD display: +$52.00

**SPECIFICATIONS**
- Relative Humidity Range: 0 to 100% RH
- Temperature Range: -40 to 140°F (-40 to 60°C)
- Accuracy, RH: -2% RH @ 25°C; -3% RH @ 25°C; -5% RH @ 25°C
- Accuracy, Thermistor Temp Sensor: ±0.2°C @ 25°C
- Accuracy, RTD Temp Sensor: ±0.5°F @ 32°F
- Solid State Band Gap Temperature Sensor Output Ranges: 4-20 mA
- 0-5/10V Output Models: Power requirements: 15-35 VDC or 15-29 VAC; Output signal: 0-10 V @ 5 mA max.
- Solid State Band Gap Temperature Sensor Output Ranges: Switch selectable, -20 to 140°F (-28.9 to 60°C)
- Compensated Temperature Range: -40 to 176°F (-40 to 80°C)
- Storage Temperature: -40 to 176°F (-40 to 80°C)
- Response Time: 15 s.
- Electrical Connections: Removable screw terminal block.
- Conduit Connection: Duct mount; 1/2˝ NPT; OSA: 1/2˝ (22.3 mm).
- RH Sensor: Capacitance polymer
- Temperature Sensor: Types 1, 2, 3, Solid state band gap; Curves A, B, C
- Thermistor: Curves D, E: Platinum RTD DIN 385
- Enclosure: Duct mount; PBT; OSA: Polycarbonate
- Enclosure Rating: Duct mount: NEMA 4X (IP66); OSA: NEMA 4X (IP66)
- Display: Duct mount only; optional 2-line alpha numeric
- Agency Approvals: CE