PC62 & 62V
Digital Relative Humidity & Temperature Probe with Digital or Analog Output

The PC series offers a comprehensive range of relative humidity probes for accurate, stable and repeatable measurements. Available with analog or digital output signals, the PC series can be installed in a wide variety of applications.

**Highlights**
- PC62 is designed for high accurate measurements in precision manufacturing applications
- Digital or analog output possible on the PC62
- PC62 available with calculated absolute humidity, dew point or wet bulb temperature output

**Technical Specifications**

**Performance**
- Measurement range (RH): 0–100% RH
- Measurement range (T): -20 to +80°C (-4 to +176°F)
- Accuracy at 23°C (73°F) Humidity: <±2% RH (10–90% RH)
- Accuracy at 23°C (73°F) Temperature: ±0.2°C (±0.36°F)
- Stability - RH Sensor: ±1% RH/year
- Response time - RH Sensor: <10 sec typical (for 90% of the step change)

**Electrical output/ input**
- Output signal: 0–1, 0–5, 0–10 V, RS232, RS485
- Supply voltage: 14–30 V DC (for 0-5 / 0-10 V / RS485 / RS232 output) 5–30 V DC (0–1 V output)

**Operating conditions**
- Operating temperature Probe, Housing: -30 to +85°C (-22 to +185°F)
- Storage: -40 to +85°C (-40 to +185°F)

**Mechanical specification**
- Ingress protection: IP65 (NEMA 4 level)
- Housing material: Molded polymer or stainless steel (ordering option)
- Dimensions: L=130mm, ø19mm ( L=5.11", ø0.74")
- Weight: 30g (1.06oz) (molded polymer) without cable
- Electrical connections: M12

**Dimensions**

**Electrical Connections**

<table>
<thead>
<tr>
<th>Voltage output</th>
<th>White</th>
<th>Green</th>
<th>Yellow</th>
<th>Brown</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable</td>
<td>Connector</td>
<td>Power Supply V +</td>
<td>Output RH +</td>
<td>Output temperature +</td>
</tr>
<tr>
<td>White</td>
<td>Pin 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Green</td>
<td>Pin 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yellow</td>
<td>Pin 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brown</td>
<td>Pin 3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Connectors**

<table>
<thead>
<tr>
<th>Connector</th>
<th>RS232</th>
<th>RS485</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>Power supply V +</td>
<td>Power Supply V +</td>
</tr>
<tr>
<td>Green</td>
<td>TX</td>
<td>TX/RX +</td>
</tr>
<tr>
<td>Yellow</td>
<td>RX</td>
<td>RX/TX -</td>
</tr>
<tr>
<td>Brown</td>
<td>Ground</td>
<td>Ground</td>
</tr>
</tbody>
</table>

---

**Michell Instruments** 48 Lancaster Way Business Park, Ely, Cambridgeshire, CB6 3NW
Tel: +44 (0) 1353 658000, Fax: +44 (0) 1353 658199, Email: info@michell.com, Web: www.michell.com/uk

Please note: Michell Instruments adopts a continuous development program which sometimes necessitates specification changes without notice. Please contact us for latest version.

Issue No: PC62&62V_97209_V3_UK_0616

© Michell Instruments 2016