Dew Point/Humidity Transmitters

HX200 Series

- High Accuracy with Certificate of Calibration
- High Temperature Sensor to 200°C (392°F) (at 0% RH)
- High Pressure Sensor to 750 psi (51.7 bar)
- Switchable for Dew Point or Humidity
- Switchable °C or °F Temperature

The HX200 is a high accuracy calibrated dew point or humidity transmitter. The remote sensor is designed to work at temperatures as high as 200°C (392°F). This high accuracy sensor is also built to withstand up to 750 psi. These transmitters are perfect for applications such as compressed air, dryers and environmental chambers.

Specifications

- **Dew Point:** -60 to 40°C (-76 to 104°F)
- **Relative Humidity:** 0 to 95% RH (non-condensing) unit displays dew point or humidity, as well as temperature
- **Maximum Sensor Pressure Rating:** 750 psi (51.7 bar)
- **Sensor Body Material:** 304 SS
- **Maximum Operating Temperature:** 200°C (392°F) (at 0% RH)
- **Mesh Filter Top:** Stainless Steel
- **Single Output:** 4 to 20 mA loop powered (relative humidity or dew point)
- **Dew Point Accuracy:** ±1.0°C from -20 to 40°C (-4 to 104°F); ±3.0°C below -20°C (-4°F)
- **Relative Humidity Accuracy:** ±1% RH from 15 to 40°C (59 to 104°F), 0 to 90% RH (non-condensing); ±2% RH below 15°C (59°F) or above 40°C (104°F)

Display: 2 line LCD
Resolution: 0.1
Power: 4 to 20 mA loop powered, 2-wire 24 Vdc (typical) 12 to 28 Vdc
Dimensions (Enclosure): 88.9 L x 63.5 W mm (3.5 x 2.5”)
Mounting Center: 78.7 mm (3.1”)
Dimensions of Probe:
- **Length:** 10.16 cm (4”)
- **OD:** 1.27 cm (0.5”) ½ NPT Fitting
- **Weight:** 1.8 kg (4 lb)

To Order

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HX200HD</td>
<td>Dew point transmitter, 4 to 20 mA loop powered output</td>
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<tr>
<td>HX200HR</td>
<td>Relative humidity transmitter, 4 to 20 mA loop powered output</td>
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</tbody>
</table>

Comes complete with probe, transmitter, user’s manual and NIST calibration certificate [calibration done at -60°C (-76°F)].

Ordering Example: HX200HD dew point transmitter and OCW-1 OMEGACARE™ extends standard 1-year warranty to a total of 2 years.

OMEGACARE™ extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE™ covers parts, labor and equivalent loaners.