



# Dew Point/Humidity Transmitters



## HX200 Series



Standard

- ✓ 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)



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

To Order	
Model No.	Description
HX200HD	Dew point transmitter, 4 to 20 mA loop powered output
HX200HR	Relative humidity transmitter, 4 to 20 mA loop powered output

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 OCV-1 OMEGACARE<sup>SM</sup> extends standard 1-year warranty to a total of 2 years.