

Dew Point/Humidity Transmitters



HX200HD shown smaller than actual size.

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)



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

To Order

Model No.	Description
HX200HD	Remote Dew Point/Temperature Transmitter 4 to 20mA only
HX200HR	Remote RH/Temperature Transmitter 4 to 20mA only
HX200HD-RS	Remote Dew Point/Temperature Transmitter 4 to 20mA or RS232
HX200HR-RS	Remote RH Point/Temperature Transmitter 4 to 20mA or RS232
HX200HD-W	Wall Mount Dew Point/Temperature Transmitter 4 to 20mA only
HX200HR-W	Wall Mount RH/Temperature Transmitter 4 to 20mA only
HX200HD-W-RS	Wall Mount Dew Point/Temperature Transmitter 4 to 20mA or RS232
HX200HR-W-RS	Wall Mount RH Point/Temperature Transmitter 4 to 20mA or RS232

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 OMEGACARESM** extends standard 1-year warranty to a total of 2 years.