ECONOMY 3% DUCT HUMIDITY TRANSMITTER

- Temperature compensated
- 2-Wire, 4...20mA
- Economical pricing
- 3% accuracy
- Measures 10 to 90% rH



HUMIDITY

MODEL: HTC-420

Our temperature compensated humidity transmitter has been designed to meet the demands of energy management, environmental and process industries. The polymer based humidity sensor is one of the most stable sensors available. The 2 wire, 4-20 mA design provides ease of installation, lowering the cost of field wiring.

The high accuracy over the wide range of 10-90% rH allows precise measurement of the humidity over the operating range of 0 to +60C. Even condensation on the sensor will not harm it.

Each transmitter is calibrated in our computer operated atmospheric simulation chamber against our traceable Standard, a Condensation Dew Point Hygrometer.

ORDERING DATA

HTC-D-420	3% duct humidity transmitter

TECHNICAL DATA

Range
operating: 10 - 90% rH
calibration: 0 - 100% rH
Accuracy
+/-1, 2 or 3% at 25 degrees C
Temperature Dependence
0.2% rH per degree C
Response Time
1 minute from 90% to 10% rH
Output
4 to 20mA in 2-wire technology
Load
250/500 ohms +/-.1% at 12 /24 VDC supply
Power Supply
24 VDC +/- 15%
Operating/Storage Temperature
0 to +60 C/-20 to +70 C for 0-100%rH, non-condensing
Stability
+/- 2% rH in 24 months typical
Medium
Do not expose to vapours that attack plastic such as

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