

# WIDE RANGE DUCT HUMIDITY TRANSMITTER

- Now measures 5 to 98% rH
- Temperature compensated
- Computer certified
- 2-Wire, 4...20mA
- Economical pricing

## MODEL: HTC-D-598

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 5-98% 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. Each is delivered with a computer calibrated traceable 3 point certificate.

An RTD or thermistor can be added to provide temperature outputs. Additionally, a temperature transmitter can be added to provide 2-wire, 4-20mA temperature output as well.

## ORDERING DATA

HTC-D-598	2% duct humidity transmitter
HTTC-D-598	duct humidity/temperature transmitter
HTC-D-598-10K	with 10K thermistor
HTC-D-598-100	with 100 ohm platinum RTD
HTC-D-598-X	special version as specified



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## TECHNICAL DATA

### Range

operating: 5 - 98% rH

calibration: 0 - 100% rH

### Accuracy

+/- 2% or better 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 acetone.

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