WIDE RANGE SPACE HUMIDITY TRANSMITTER

- Measures 5 to 98% rH
- Temperature compensated
- Computer certified
- 2-Wire, 4...20mA
- 2% accuracy



HUMIDITY

MODEL: HTC-S-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-S-598	2% space humidity transmitter
HTTC-S-598	space humidity/temperature transmitter
HTC-S-598-10K	with 10K thermistor
HTC-S-598-100	with 100 ohm platinum RTD
HTC-S-598-X	special version as specified

TECHNICAL DATA

Range
operating: 5 - 98% rH
calibration: 0 - 100% rH
Accuracy
+/-1, 2 or 3%rH 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 such as acetone that attack plastic.

ENERCORP instruments ltd

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