

# ECONOMY 3% SPACE HUMIDITY TRANSMITTER

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

## 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-S-420      3% space humidity transmitter



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## TECHNICAL DATA

### Range

operating: 10 - 90% rH

calibration: 0 - 100% rH

### Accuracy

$\pm 3\%$  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  $\pm 0.1\%$  at 12 /24 VDC supply

### Power Supply

24 VDC  $\pm 15\%$

### Operating/Storage Temperature

0 to +60 C/-20 to +70 C for 0-100%rH, non-condensing

### Stability

$\pm 2\%$  rH in 24 months typical

### Medium

Do not expose to vapours such as acetone that attack plastic.

# ENERCORP

## instruments ltd

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