



HTX01 WALL MOUNT



HTX02 DUCT MOUNT

- **Low Cost**
- **On-Board Zero And Span Adjustments**
- **Rugged design using Solid State Sensors**
- **High Accuracy ($\pm 3\%$ over 0 to 90% RH Standard)**
- **2 Wire, Loop powered Operation (4-20 mA Output)**
- **Temperature Compensated Humidity Measurement**
- **Factory Calibrated (0 - 100% RH Standard, Custom Ranges Available)**
- **Integrated Loop powered Temperature Transmitter Available**

Description

The **INTEMPCO HTX** series humidity transmitters offer high accuracy, low cost humidity, and temperature measurement that can withstand tough industrial and **HVAC** applications. The rugged solid state sensor has high chemical contamination resistance and handles extreme ventilation conditions, like swimming pool environments, with ease. Even water immersion of the sensor will not damage it!

Overview

The **HTX** series humidity / temperature transmitters are designed for use in energy management, environmental and process control industries. They utilize a polymer based humidity sensor, among the most stable available. The accuracy is $\pm 3\%$ over 0 - 90% RH. Thermistor or RTD output option is also available.

HUMIDITY TRANSMITTER

Power Input	12 - 36 VDC
Humidity Output	4-20mA two-wire
Humidity Accuracy	±3% RH Max. Over 0-90% RH at 25°C.
Humidity Stability	±1% RH Typical at 50% RH in 5 Years.
Time Constant	50 sec. in air at 10ft/sec.
Operating Environment	-23°C to 85°C (-10°F to 185°F) non-condensing
Storage Environment	-50°C to 85°C (-58°F to 185°F) non-condensing
Recommended R _{load}	100Ω at 12 VDC 500Ω at 24 VDC

TEMPERATURE TRANSMITTER OPTION A

Power Input	12 - 36 VDC
Temperature Output	4-20mA two-wire
Temperature Accuracy	±0.3°C (0.5°F) at room Temp. or ±0.15°C (0.25°F) Special
Temperature Stability	±0.1°C Typical at room Temp. per 5 years
Time Constant	50 sec. in air at 10ft/sec.
Operating Environment	-23°C to 85°C (-10°F to 185°F) non-condensing
Storage Environment	-50°C to 85°C (-58°F to 185°F) non-condensing
Recommended R _{load}	100Ω at 12 VDC 500Ω at 24 VDC

MODEL
NUMBER

HTX

ENCLOSURE
TYPE
TEMPERATURE
SENSOR OPTION

ENCLOSURE TYPE	CODE
WALL MOUNT, EXECUTIVE	01
WALL MOUNT, SPACE	01A
DUCT MOUNT, NEMA 4	02
DUCT MOUNT, GENERAL	02A

CODE	TEMPERATURE SENSOR OPTION
0	NONE
A	4-20mA, 0-50°C
B	4-20mA, SPECIFY RANGE
C	Pt 100Ω DIN 43760
D	Pt 1000Ω DIN 43760
E	10,000Ω THERMISTOR
F	3,000Ω THERMISTOR
G	THERMISTOR, OTHER SPECIFY

