

Datasheet:**THT-1– Temperature & Relative Humidity Transmitter Instrument**

The transmitters, Model HT-1 and THT-1 are especially designed for monitoring the “Indoor Air Quality” in the air conditioning, heating and ventilation industry.

Specifications:**Sensors:**

Relative Humidity: Capacitive (Thin film)
Temperature: PT100 RTD

Range:

Combination RH/Temp Probe:
5.0% to 95% RH
-5° to 175°F (-20° to 80°C)

Accuracy:

±2% RH, ±0.5°C

Response Time:

Relative Humidity: 90% of measured value in 15 sec.
Temperature: Approximately 60 seconds

Output:

0 to 1 VDC for 0-100% RH
0 to 5 VDC for 0-100% RH
4 to 20 mA for 0-100% RH
0 to 1 VDC for -20° to 80°C
0 to 5 VDC for -20° to 80°C
4 to 20 mA for -20° to 80°C

Operating Range:

-4° to 180°F (-20° to 80°C)

Power Supplies:

120 VAC, 50/60 Hz
220 VAC, 50/60 Hz
10 to 30 VDC

Housing:

ABS Plastic, Splash resistant

Dimensions:

Housing: 4.8" X 4.8" X 2.2"
Probe: 4.5" X 1" diameter

Weight:

18 Ounces

Optional:

Remote Temperature / Relative Humidity Probe
Digital Display