



Features & Options

- 4 to 20mA Temperature Output over a 40 to 120°F (4.5 to 49°C) Range
- 4 to 20mA Humidity Output over a 20 to 90%RH Range
- NIST Certified Temperature at 75°F (23.9°C)
- NIST Certified Humidity at 40%RH@75°F (23.9°C)
- Sensor Hangs from 12 feet (3.7m) of PVC-Jacketed Cable
- ±2%RH Humidity Accuracy
- ±0.54°F (0.3°C) Temperature Accuracy

BAPI's Pendant Temperature and Humidity Sensor features a BAPI-Box enclosure and 12 feet (3.7m) of PVC-jacketed cable. The temperature measurement has a 4 to 20mA output over a 40 to 120°F (4.5 to 49°C) range with an accuracy of ±0.54°F (0.3°C). The humidity measurement has a 4 to 20mA output over a 20 to 90%RH range.

ORDERING INFO:

BA/THP[40 TO 120F]-H220-12'

Pendant Temperature and Humidity Sensor



Specifications

Power: 16 to 40 VDC, 40 mA max (20 mA/loop) DC

Humidity Sensor Type: Capacitive Polymer

Temperature Sensor Type:

1KΩ, 2 Wire Platinum RTD, 385 Curve

Humidity Output: 4 to 20mA over 20 to 90%RH Range

Temperature Output:

4 to 20mA over 40 to 120°F (4.5 to 49°C) Range

Humidity Drift: ±0.5%RH per year

Humidity Accuracy:

±2% (20 to 80%RH @ 77°F (25°C)), Non-condensing

±3% (80 to 90%RH @ 77°F (25°C)), Non-condensing

Temperature Accuracy: ±0.54°F (±0.3°C)

Output Impedance (Max Load/Loop):

700Ω @ 24VDC, Voltage drop is 10VDC
(Supply Voltage – 10VDC) / 0.02 Amps = Max load Impedance

Response Time: < 5 seconds in moving air

Environmental Operation Range:

Temperature: -40 to 158°F (-40 to 70°C)

Humidity: 0 to 95%RH, non-condensing

Fully Temperature Compensated

BAPI-Box Material: UV-resistant Polycarbonate, UL94 V-0

Agency: RoHS

