**Series WHT**

**Weather-Resistant Humidity/Temperature Transmitter**

Compact Housing, Sintered Filter

The Compact Series WHT Humidity/Temperature Transmitter is designed to withstand the elements. A removable sintered filter protects the polymer capacitance sensor from solid objects that may come in contact with the transmitter. The transmitter is available with 4 to 20 mA or 0 to 10 VDC output signals for both temperature and humidity. This transmitter is ideal for measuring outside air temperature and humidity levels for air handling economizer applications.

### SPECIFICATIONS

- **Relative Humidity Range:** 0 to 100% RH.
- **Temperature Range:** -40 to 140°F (-40 to 60°C).
- **Accuracy, RH:** ±3% 20-80% RH, ±4% @ 10-20%, 80-90%.
- **Accuracy, Temp Models with 4-20 mA Temp. Output:** ±0.9°F @ 72°F (±0.3°C @ 25°C).
- **Accuracy, Temp Models with Passive Thermistor Temp Sensor:** ±0.4°F @ 77°F (±0.22°C @ 25°C).
- **Hysteresis, RH:** ±1%.
- **Repeatability, RH:** ±0.1% typical.
- **Temperature Limits:** -40 to 140°F (-40 to 60°C).
- **Storage Temperature:** -40 to 176°F (-40 to 80°C).
- **Compensated Temperature Range, RH:** -4 to 140°F (-20 to 60°C).
- **4-20 mA Loop Powered Models:**
  - **Power requirements:** 10-35 VDC; Output signal: 4-20 mA.
- **0-10 V Output Models:**
  - **Power requirements:** 24 VDC/VAC at 100 mA.
  - **Internal Display:** Two line 8-digit alphanumeric LCD.
  - **Sensor:** Electrochemical (2 to 3 year expected life typical).
  - **Output:** Current/voltage: 4 to 20 mA and 2 to 10 VDC; Optional relay: (2) SPDT 1 Amp dry contact; Buzzer: 85 dB @ 1 foot.
  - **Coverage Area:** 7500 square feet (max).
  - **Weight:** 5.7 oz (161.6 g).

**Model**

- **WHT-310**
- **WHT-311**
- **WHT-320**
- **WHT-322**
- **WHT-330**
- **WHT-333**
- **WHT-31A**
- **WHT-32A**

**Accuracy**

- 3%
- 3%
- 3%
- 3%
- 3%
- 3%
- 3%
- 3%

**RH Output**

- 4 to 20 mA
- 4 to 20 mA
- None
- 0 to 10 V
- 0 to 5 V
- 0 to 10 V
- 10 K Ohm
- None

**Temperature**

- None
- 4 to 20 mA
- None
- 0 to 10 V
- 0 to 5 V
- 10 K Ohm
- None
- 4 to 20 mA

Note: For 2% accuracy, change the leading 3 to a 2. (For example, WHT-210)

**Series CMT**

**Carbon Monoxide Transmitter**

Current/Voltage Output, 125 PPM Range

The Series CMT Carbon Monoxide Transmitter accurately detects and transmits low concentrations of carbon monoxide inside a parking garage or loading dock. Transmitters can be ordered in wall mount or duct mount configurations. Universal current and voltage outputs are field selectable and match most common building management controllers. Optional relay and alarm buzzers are available on the wall mount models to directly connect to a warning light or exhaust fan. The Series CMT can be field calibrated using internal potentiometers. Software settings such as set points for optional relay outputs are password protected.

### SPECIFICATIONS

- **Range:** 0 to 125 PPM CO.
- **Accuracy:** ±2.5% of reading.
- **Repeatability:** ±1% of reading.
- **Response Time:** Less than 60 seconds typical for 90% step change.
- **Ambient Operating Temperature:** -4 to 104°F (-20 to 40°C).
- **Ambient Operating Humidity:** 15 to 90% non-condensing.
- **Power Requirements:** 24 VDC/VAC at 100 mA.
- **Internal Display:** Two line 8-digit alphanumeric LCD.
- **Sensor:** Electrochemical (2 to 3 year expected life typical).
- **Output:** Current/voltage: 4 to 20 mA and 2 to 10 VDC; Optional relay: (2) SPDT 1 Amp dry contact; Buzzer: 85 dB @ 1 foot.
- **Coverage Area:** 7500 square feet (max).
- **Weight:** 5.7 oz (161.6 g).

**Model**

- **CMT-WN**
- **CMT-WN-WP**
- **CMT-WR-WP**
- **CMT-WN-D**
- **CMT-DN**
- **CMT-DN-D**

**Configuration**

- Wall
- NEMA 4X Wall
- NEMA 4X Wall
- Wall
- Duct
- Duct

**External Display**

- Yes
- Yes
- No
- Yes
- No
- Yes

**Alarm/Buzzer**

- No
- No
- Yes
- No
- No
- No

**Note:** Mains powered versions are also available.