Monitor and control relative humidity and temperature in building energy management systems with the Series HT Humidity/Temperature Transmitter. Designed for demanding HVAC/EMCS applications, the Series HT provides ±3% RH accuracy and ±1% stability per year. Routine calibration is not required with the fully interchangeable sensor. Two wire connections allow easy installation directly into air ducts or within a controlled area.

**Series HT Humidity/Temperature Transmitter**

**SPECIFICATIONS**

- **Relative Humidity Range:** 10 to 90% RH.
- **Temperature Range:** -40 to 140°F (-40 to 60°C).
- **Accuracy:** ±3% RH @ 25°C; ±0.3°C @ 25°C.
- **Temperature Limits:** 14 to 140°F (-10 to 60°C).
- **Operating Humidity Range:** 0 to 100% RH.
- **Power Requirements:** 10 to 28 VDC.
- **Output Signal:** 4 to 20 mA.
- **Response Time:** 15 seconds.
- **Current Consumption:** 4 mA minimum.
- **Conduit Connection:** 1/2˝ NPT.
- **Mounting Connection:** 3/4˝ NPT.
- **Drift:** ±2% RH over 2 years.
- **RH Sensor:** Capacitance Polymer.
- **RH Temperature Dependence:** <±1.5% RH from 14 to 140°F (-10 to 60°C).
- **Temperature Dependence:** 0.01°C/°C.
- **Housing Material:** Polycarbonate, aluminum enclosure.
- **Enclosure Rating:** IP65.
- **Weight:** 0.6 lb (0.3 kg).
- **Agency Approvals:** CE.

**The Series RH-R Humidity Transmitter**

The Series RH-R Humidity Transmitter is the ideal transmitter for those applications where space is limited. The compact sensor is protected by a removable filter. It can be mounted up to 16 feet away from the weatherproof base. The Series RH-R is ideal for environmental chambers, rubber bladder burst detection and air handler applications.

**SPECIFICATIONS**

- **Service:** Dry clean air.
- **Relative Humidity Range:** 0 to 100% RH.
- **Temperature Range:** -40 to 140°F (-40 to 60°C).
- **Accuracy:** ±2% @ 10-90%.
- **Temperature Limits:** -40 to 140°F (-40 to 60°C).
- **Compensated Temperature Range:** -4 to 140°F (-20 to 60°C).
- **Power Requirements:** 10-35 VDC.
- **Output Signal:** 4-20 mA loop powered or 0 to 10 VDC.
- **Response Time:** Less than 15 seconds.
- **Electrical Connections:** Terminal block.
- **Conduit Connection:** 1/2˝ NPT.
- **Process Connection:** 1/2 NPSM.
- **RH Sensor:** Capacitance polymer
- **Cable Length:** Up to 16 ft.
- **Housing Material:** Polycarbonate, aluminum enclosure.
- **Enclosure Rating:** NEMA 4X (IP65).
- **Agency Approvals:** CE.