



Humidity & Temperature Transmitter S80003

- Accurate, reliable, versatile
- Interchangeable without loss of measurement accuracy
- Unique digital technology

The probe is separated from the transmitter by a 3 meter (9.8 ft) cable terminated with a weather proof connector.

The microprocessor has unparalleled accuracy, reliability and versatility. Unique digital technology allows the probe to be interchanged without loss of measurement accuracy. Calibration and sensor data are retained permanently within each probe. When it is time for a scheduled calibration, the probe can be “hot swapped” in seconds. Software based calibration of the probe is simple and precise

Typical uses of this sensor are seen in meteorological towers, airport weather stations and building rooftops. The enclosure is made of an aluminum alloy and is coated to withstand marine environments.





Technical Specifications

S80003

Operating Voltage: 12 to 35 VDC / 300 mA max
12 to 24 VAC
(or) 90 to 264 VAC, 50 / 60 Hz

MEASURED PARAMETERS

Relative Humidity: 0 to 100% RH
Temperature: -30°C to 70°C, -40°C to 60°C
(other ranges available)

CALCULATED PARAMETERS

Dew / Frost Point: -50°C to 100°C / -50°F to 200°F
Enthalpy: -50 to 250 J/g
(or) -50 to 150 BTU/lb

System Accuracy at 23°C / 73°F: +/- 0.5% RH + 1.5% of reading