HMW95 Humidity and Temperature Transmitters for High Performance Building Automation Applications

Features/Benefits:

- Exceptionally easy configuration, installation, and field adjustment
- Accuracy up to ±1.7%RH
- NIST traceable (calibration certificate included)
- Calculated humidity parameters: dew point, mixing ratio, enthalpy, wet bulb temperature and absolute humidity
- Field exchangeable calibrated measurement modules for easy maintenance
- HUMICAP180R for superior stability and reliability
- Digital output supporting BACnet MS/TP and Modbus RTU protocols

Summary:

Wall mounted transmitter shall incorporate a thin film polymer capacitive HUMICAP® relative humidity sensor. Accuracy shall be ± 1.7% RH for the 0 to 90% RH range and ± 2.5% RH for the 90 to 100% RH at +10 ... +40 °C (+50 ... +104 °F). Transmitter to be powered by 18 ... 35 VDC, 24 VAC. Provides an RS-485 output signal with BACnet MS/TP and Modbus RTU protocols. Incorporates a digital temperature sensor that measures -5° to 55°C (23° to 131°F) with an accuracy of ±0.2°C (0.36°F) at +20...+30 °C (+68 ... +86 °F). Shall have the option to calculate and output additional parameters: dew point, mixing ratio, enthalpy, absolute humidity, and wet bulb temperature. Shall have the ability to calibrate relative humidity, without disturbing operation, using a single point electronic field calibrator or have an interchangeable humidity and temperature module with a NIST traceable calibration. NIST traceable calibration and certificate included.

Vaisala Model: HMW95 (Relative Humidity and Temperature)
Vaisala Model: HMW95D (Relative Humidity and Temperature with Display)

Vaisala Inc.
1-888-VAISALA (824-7252)
instruments@vaisala.com
www.vaisala.com