VAISALA

HMW82 Humidity and Temperature Transmitters for Building Automation Applications

Features/Benefits:

- Reliable transmitters for basic HVAC humidity measurements

- ±3.0 %RH accuracy

- Optimized for easy installation and low maintenance

- User exchangeable INTERCAP® sensor for easy field replacement

Summary:

Wall mounted transmitters shall incorporate a thin film polymer capacitive INTERCAP® relative humidity sensor. Sensor to be interchangeable in the field and calibration free. Accuracy is ±3% RH from 0 and 70% RH and ±5% from 70 to 100% RH between +10 ... +30 °C (+50 ... +86 °F). Sensor to have a stability of ±2% RH over a two year period. Transmitter shall operate over a humidity range of 0...100%. Transmitter to be loop powered by 10... 28 VDC (at 0Ω load) or 20...28VDC (at 600Ω load) and provide a linear output signal of 4...20 mA corresponding to 0 to 100% RH. Temperature sensor shall be digital with a linear output of 4...20 mA corresponding to -5° to 55°C (+23 to +131°F) with an accuracy of ±0.5°C (0.9° F) at +10 ... +30 °C (+50 °F ... +86 °F).

Vaisala Model: HMW82 (Relative Humidity and Temperature)

Vaisala Model: TMW82 (Temperature Only)

Vaisala Model: HMW82P100 (Relative Humidity and Temperature with additional temperature probe)