

Model RH3-R Temperature Sensor

Specification Sheet



- NIST certificates are available and recommended if medications
- Attractive look
- 5 conductor wire sold separately
- For Temperature Guard Models VM608 and VM608E

Description:

The RH3-R relative humidity sensor utilizes a capacitive sensing element to deliver a proportional 4 to 20 mA*, 0 to 5VDC, or 0 to 10VDC* output. Accuracy is maintained over the entire operating range using a thermistor for temperature compensation. The sensor also has on board DIP switches which allow the user to select the desired output signal, and can be powered by AC or DC power. In addition, field calibration can be performed by using the on board increment and decrement DIP switches. Each RH-3 humidity sensor is calibrated using a NIST Traceable Temperature/Humidity Chamber.

NIST certificates are available.

*Available upon request

Specifications:

RH3 Supply Voltage	0-5 VDC: 12 to 40VDC/18 to 28VAC (4K load min.)
Supply Current	8 mA Max.
RH3 Measurement Range	0 to 100%
RH3 Output	3-wire, 0-5, 0-10 VDC*, or 4-20 mA*
Accuracy @ 77°F (25°C)	+/- 3% from 10% to 95% RH
Long Term Stability	Less than 2% drift / 5 years
Sensitivity	0.1% RH
Operating Environment	0 to 95% RH (non-condensing) 32 to 122°F (0 to 50°C)
RH3 Sensor Type	Capacitive
Temperature Accuracy	+/-0.06%@32°F (0°C) single Point
Approvals	CE, RoHS

Temperature Guard

VM608E

Wiring Diagram (side view of enclosure)

