



Dew Point/ Air Temperature and Relative Humidity Sensor S90005

- Very rugged •
- +/- 3% RH accuracy •
- +/- 0.3°C temperature accuracy

The Dew Point/ Air Temperature and Relative Humidity Probe combines a high accuracy, capacitance type humidity sensor and precision temperature sensor in one probe.

The relative humidity element is a hygroscopic capacitive type. It is fully interchangeable. These elements never need calibration. Instead, elements can be easily replaced without the expense and inconvenience sometimes associated with the calibration process. The membrane filter/mechanical housing of the sensor protects it from dust and dirt.





Technical Specifications

S90005

RELATIVE HUMIDITY:

Measuring Range: 0-100 %RH

Accuracy at 20 °C: ± 2 %RH,

Stability: Better than ± 1 %RH per year

Response Time: 10 seconds (without filter)

Output Signal: 0-1

TEMPERATURE:

Calibrated Measuring Range: -50 to 50 °C

Operating Limits: -62° C to +60 ° C

Response Time: 10 seconds (without filter)

Accuracy at 0 °C: ± 0.3 °C

Response Time: 10 seconds (Without Filter)

Output Signal:: 0-1

Power Required: 12-28 VDC, 10 mA