

SMART SENS 3000



Relative Humidity and Temperature Transmitter

Typical Applications:

Humidifiers and dehumidifiers
HVAC + Building Management Systems
Meteorology
Storage rooms / Test chambers

Benefits:

Small and rugged, long term stability,
competitively priced, range of output options
including 10 bit digital.



PART NUMBER – SS3000

Supply voltage	12 to 24V =/~
Operating temperature range	-40°C to +60°C
Power Consumption	< 10mA
Construction	Black Aluminium, Polyamide tip and metal filter
Connection	M12 & 4 pole connector

Temperature

Measurement range	-40°C to +60°C
Resolution	0.1°C
Accuracy	+/- 0.5°C 0 to 40°C +/- 1.5°C -40 to +60°C
Repeatability	0.1°C
Response Time	10 Sec
Output -40°C to +60°C	0 – 10V

Humidity

Range	0 to 100% RH
Resolution	0.1% RH
Accuracy	+/- 2% in 0 to 90% RH +/- 4% in 90 to 100% RH
Repeatability	+/- 0.1% RH
Response Time	10 Sec
Non-linearity	<1%
Hysteresis	+/- 1%
Long term stability	< 1% RH/year
Output 0 to 100% RH	0-10V

Additional options

Outputs (Humidity and Temp)	10 bit digital or 4-20mA
Connector cable	Various lengths

