

Datasheet

Stock No: 3122951

RS Pro RH622 Duct Temperature Sensor



Product Details

The RH-600 range of humidity and temperature sensor offer the latest technology high precision and accuracy RH & T element, and installed in our robust 600 series housing. The housing has an added benefit of being easy to install with the hinged lid, which also can be screwed closed to make the unit tamperproof.

Features and Benefits

- ± 2% and ±3% Accuracy Versions
- Snap fit cover
- Fully configurable optional LCD Display
- Direct thermistor temperature options available
- High stability & reliability
- 4-20mA, 0-5Vdc and 0-10Vdc outputs



Specification

Outputs:	
Voltage	0-10Vdc or 0-5Vdc
Current	4-20mA
(optional -T)	PTC/NTC resistive sensing element
Output ranges:	
RH	0 to 100%
Temperature	-20 to +50°C (standard) -TR in range of -20 to +50°C
Enthalpy	-20 to +250 kJ/kg
Dew point	-50 to +50°C
Accuracy:	
RH-6xx-AH	±2% (20 to 80%RH)
RH-6xx	±3% (20 to 80%RH)
Temp.	±0.3°C (between +20 & 40°C)
RH-6xx-EN:	
Dew point	1.2°C typical (4°C max)
Enthalpy	1.8kJ/kg typical (27kJ/kg max)
Long term stability	<0.5% RH p.a.
Power Supply:	
Voltage	12-26Vac or 16-26Vdc
(no 0V)	20-26Vdc only @70mA max.
(with 0V)	12-26Vac or 16-26Vdc @60mA max.
Ambient:	
Temperature	-30 to 70°C (-22 to 158°F)
RH	0 to 95% RH, non-condensing
Housing:	
Material	ABS (flame retardant)
Dimensions	116 x 106 x 52mm
Probe:	
Material	Probe, PVC - End cap, Delrin
Dimensions;	
RH-622	210 x 19mm dia.
RH-631	90 x 19mm dia.
RH-632	200 x 118mm dia. (Shield)
Protection:	
RH-622	
Snap-shut lid	IP54