

## FEATURES

- High specification, relative humidity
- Temperature Transmitter for use with building management systems
- ABS Flame retardant housing
- Robust Temperature Detector providing responsiveness and accuracy
- Fully configurable optional LCD

## RS PRO Temperature Sensor - 20°C to +50°C Duct

RS Stock No.: 312-2951



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

Different industries need different solutions to keep up with the evolving world. If humidity and temperature are in play, Humidity/Temperature Transmitter seems to capture both requirements to support many applications. Merging both strengths, the Sensor can meet the specific demands of temperature-sensitive devices. Those popular products have their place across everyday life situations, from the apparent objects in our home, such as kettle or toaster to more advance applications including monitoring the temperature in alcohol breathalysers or maintaining temperature for equipment to fabricate medical drugs. Still, the key message is the responsiveness and accuracy of the detection circuit is essential for quality control.

## General Specifications

<b>Sensing Element Type</b>	RH&T element
<b>Range of Temperatures Sensed</b>	-20°C to 50°C
<b>Maximum Temperature Sensed</b>	50°C
<b>Minimum Temperature Sensed</b>	-20°C
<b>Accuracy</b>	±0.2%and ±0.3%
<b>Housing Material</b>	ABS
<b>Probe Material</b>	PVC End cap
<b>Application</b>	Cleanroom monitoring, HVAC (Heating Ventilation, and Air Conditioning), Ideal for applications where space is at a premium, Use with building management systems, Home appliances, Drug industry

## Electrical Specifications

<b>Supply Voltage</b>	12V to 26VAC; 16V to 26VDC
<b>Output</b>	0V to 5VDC; 0V to 10VDC

## Mechanical Specifications

<b>Dimensions</b>	116mm x 106mm x 52mm
<b>Width</b>	116mm
<b>Height</b>	106mm
<b>Depth</b>	52mm
<b>Probe Dimensions</b>	210mm x 19mm dia.

## Operation Environment Specifications

Ambient Temperature	-30°C to 70°C
Long-term Stability	< 0.05%

## Protection Category

IP Rating	IP54
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