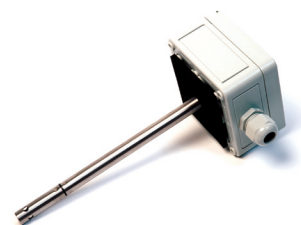


Duct Humidity Sensor



The Duct Mounted Humidity Sensor is designed to measure humidity conditions in ventilation ducts with options for measurement of temperature conditions. Available with 4-20mA or 0-10V outputs for humidity and combined temperature with optional thermistor or RTD for temperature.

Specification

Material	Body:	Polycarbonate
	Probe:	12mm Stainless Steel tube
Sensing Elements:		Monolithic integrated circuit(combined) Alternative Thermistor for temperature
Supply:		18 to 30v DC for 4-20mA 24V AC/DC ± 15% Combined Voltage for 0-10V
Outputs:		4-20mA >100 ohms 0-10V (3mA) Optional Thermistor or RTD temperature
Output Scales Range:		Humidity 0-100% RH Temperature 0-50 °C
Accuracy :		Humidity ± 2% Temperature ± 0.3 °C
Operating Temperature:		-5 to + 70°C
Operating Humidity:		0-95% Non condensing
Terminals:		1.0mm recommended 2.5mm max
Dimensions	Body:	95mm high, 95mm wide, 55mm deep
	Probe:	195mm x 12mm dia.
Product Code:		See Below

Product Codes

Sensor Type	Product Code
Duct Humidity Sensor (4-20mA)	TPDH
Duct Temp and Humidity 4-20mA Loop Powered	TPDHT/LP
Duct Temp (thermistor) and Humidity (4-20mA)	TPDH-RT (state thermistor)
Duct Humidity Sensor (0-10V)	TPVDH
Duct Temp and Humidity (0-10V)	TPVDHT
Duct Temp (thermistor) and Humidity (0-10V)	TPVDH-RT (state thermistor)

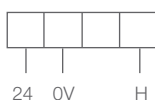
Connections

Humidity only

4-20mA Humidity only
Note: DC Supply only



0-10V Humidity only
Note: AC/DC supply



Combined Humidity & Temperature

4-20mA loop
Powered output

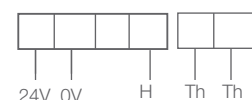
Note: Connections are non-polarised



0-10V Humidity/temp
AC/DC supply



0-10V with Thermistor
or RTD for temperature



Dimensions

