



# Outside Humidity Sensor

The outside Humidity Sensor is designed to measure external relative humidity with options for measurement of temperature conditions. Available with 4-20mA or 0-10V outputs for humidity and combined humidity with optional thermistor or RTD for temperature.

## Specification

Material	Body:	Polycarbonate
	Probe:	20mm PVC tube
	Sensing Elements:	Monolithic integrated circuit Optional thermistor or RTD for temperature
Supply:		18 to 30v DC for 4-20mA Loop Powered 24V AC/DC for 0-10V
Outputs:		4-20mA > 100 ohms 0-10V (3mA) Optional Thermistor or RTD for temperature
Output Scale Range:		Humidity 0-100% RH Temperature -20 to +50 °C
Accuracy :		Humidity ± 2% Temperature ± 0.3°C
Operating Temperature:		-20 to + 50°C
Operating Humidity:		95% Non condensing
Terminals:		1.0mm recommended 2.5mm max
Location:		External away from direct sun
Dimensions Body:		95mm high, 95mm wide, 60mm deep
Product Code:		See Below

## Product Codes

Sensor Type	Product Code
Outside Humidity Sensor (4-20mA)	TPOH
Outside Temp and Humidity 4-20mA Loop Powered	TPOHT/LP
Outside Temp (thermistor) and Humidity (4-20mA)	TPOH-RT (state thermistor)
Outside Humidity Sensor (0-10V)	TPVOH
Outside Temp and Humidity (0-10V)	TPVOHT
Outside Temp (thermistor) and Humidity (0-10V)	TPVOH-RT (state thermistor)

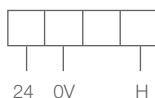
## Connections

### 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

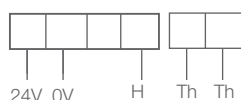


**Note:** Connections are non-polarised

0-10V Humidity/temp  
AC/DC supply



0-10V with Thermistor  
or RTD for temperature



## Dimensions

