

Carbon Monoxide Sensor



The TPCO/WM/500 Carbon Monoxide (CO) sensor is designed for monitoring CO concentrations within applications such as indoor car parks and loading bays.

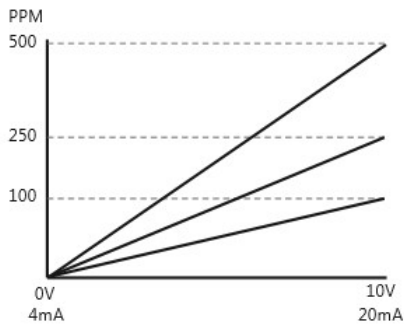
The CO sensor employs solid state temperature compensated cell with microprocessor to provide high levels of accuracy, stability and sensitivity.

The sensor are supplied pre-calibrated and provide 3 selectable ranges (0-100ppm, 0-250ppm and 0-500ppm) with signal output options of 0-5V or 0-10V with 4-20mA.

Specification

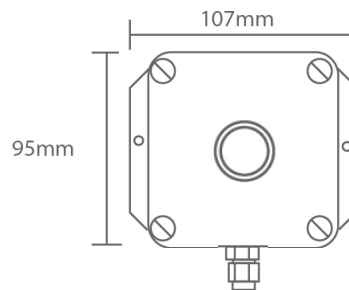
Material:	Enclosure: Flame retardant ABS IP51 Probe (duct): Stainless steel tube
Supply:	24V AC or DC +/- 10%
Outputs:	0-5V or 0-10V (5mA max) 4-20mA
Power Consumption:	60mA max plus output load
Response Time:	<30 seconds
Accuracy:	+/- 10% FSS typical
Warm up Stability:	>2 mins
Operating Temperature:	0 to 50°C
Operating Humidity:	15-85% non condensing
Life Expectancy:	>3 years (depending on environment)
Selectable Ranges:	0-100ppm, 0-250ppm, 0-450ppm
Country of Origin:	UK
Product Code:	TPCO/WM/500

Not for use in life safety systems



The sensor output is proportional to the monitored gas ppm level dependant on the range selected and allows the control of ventilation on demand.

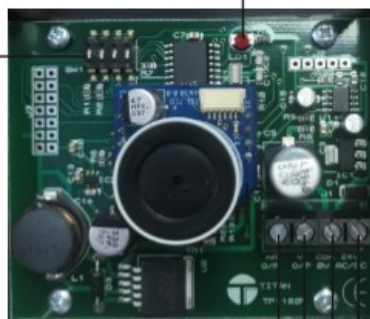
Dimensions



Connections

Mode Selection Switches		
Range PPM	SW1	SW2
0-100	Off	Off
0-250	On	Off
0-500	Off	On
SW3 off	0-10V output	
SW3 on	0-5V output	
SW4	Not used	

LED indication (see table)



mA output
V output
0V
24V AC/DC

LED Indication	
Pulsing	1 to 10 pulses with 1 second gap represents output value 10 to 100%
Rapid flashing or on permanently	Sensor fault