

# Carbon Monoxide Sensor



The TITAN CO Carbon Monoxide sensors are available in wall or duct mounted versions and are designed for applications that require measurement and monitoring of variable concentrations of CO. The CO sensor employs a solid state temperature compensated cell with microprocessor to provide measurement accuracy, stability and sensitivity. A standard feature of the CO sensor is a Boost/Purge option that operates to the CO guidance levels stated in EN 50291 (see below).

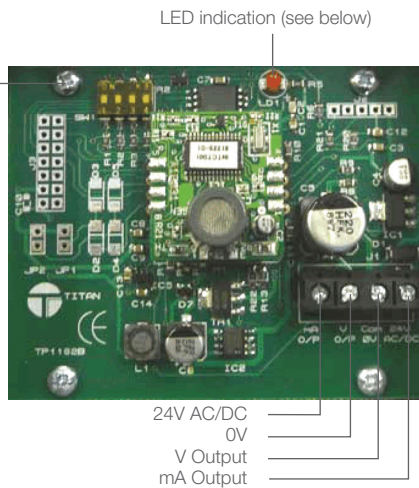
The sensors are supplied pre calibrated and provide 3 selectable ranges with signal outputs of 0-5V or 0-10V with 4.20mA.

### Specification

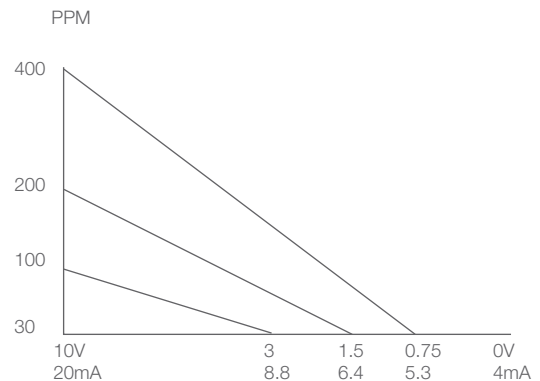
Material Enclosure:	Flame Retardant ABS IP51
Probe (duct):	Stainless Steel Tube
Supply:	24V AC or DC $\pm$ 15%
Outputs:	0-5V or 0-10V (5mA max) 4-20mA
Power Consumption	60mA max plus output load
Response Time:	<30 seconds
Accuracy:	$\pm$ 10% FSS typical
Zero Offset:	30ppm typical
Warm up stability:	>2mins
Operating Temperature:	-10 to + 60°C
Operating Humidity:	0-85% non condensing
Life expectancy:	> 3 years dependant on environment
3 x Selectable Ranges:	0-100ppm, 0-200ppm, 0-400ppm
Product Code:	TPCO/WM (standard wall mounted housing) TPCO/DS (Duct mounted housing)

### Connections

Mode Selection Switches		
Range PPM	SW1	SW2
30-100	Off	Off
30-200	On	Off
30-400	Off	On
SW3 off	0-10V Output	
SW3 on	0-5V Output	
SW4 off = boost off	SW4 on =Boost on	



### Output Graph



### Boost/Purge Option

At the CO guidance levels stated in EN50291 the TITAN CO sensor provides an option to boost (increase) the signal output to activate an increase in ventilation rates with the purpose of purging the area that is being monitored.

LED Indication	
Pulsing	1 to 10 pulses with 1 second gap represents output value 10 to 100%
Rapid Flashing or On permanently	Sensor fault
On Permanently	Sensor in boost mode

### Dimensions

