

# Toxic Detector Specifications

## Carbon Monoxide (CO)






### Description

The ZS-CO range is housed in an IP65 ABS housing with top and side cable entries.

The sensor/cyberboard is housed in a accessible chamber for ease when replacement of sensor is required

Each Gas Sense unit contains 3 indications and 3 relay outputs:

-  Pre-alarm LED with voltage free changeover relay output
-  Alarm 1 indication with voltage free changeover relay output
-  Alarm 2 indication with voltage free changeover relay output

The unit also has a 24Vdc output triggered at alarm.

### Technical Specification

Gas Type	Carbon Monoxide (CO)	
Model Number	ZS-CO/300	ZS-CO/1000
Part Number	47-510	47-512
Target Gas Range	0-300ppm	0-1000ppm
Replacement Sensor Part Number	CY-DTX-NT-CO-PL300	CY-DTX-NT-CO-PL1000
Specific Gravity (Air=1)	0.97	
Sensor Lifetime	3 Years	
Pre-Alarm Settings (ppm) Bold=Default	030ppm, 045ppm, <b>060ppm</b> , 075ppm, 090ppm	100ppm, 150ppm, <b>200ppm</b> , 250ppm, 300ppm
Alarm 1 Settings (ppm) Bold=Default	060ppm, 075ppm, <b>090ppm</b> , 105ppm, 120ppm	200ppm, 250ppm, <b>300ppm</b> , 350ppm, 400ppm
Alarm 2 Settings (ppm) Bold=Default	090ppm, 105ppm, <b>120ppm</b> , 135ppm, 150ppm	300ppm, 350ppm, <b>400ppm</b> , 450ppm, 500ppm
Response Time	<45 Seconds	
Operating Voltage	21 – 30VDC	
Quiescent Current	48mA (250mA Surge)	
Warm-Up Time	2 Minutes	
Operating Temperature	-20°C - +50°C	
Maximum Humidity	15 % – 90% RH	
IP Rating	IP65	
Storage Time Without Compromising Lifetime	6 Months from date of manufacture	
Recommended Storage Temperature	0°C – 20°C	
Gas Sensor Type	Electro Chemical	
Dimensions (mm)	174(H) x 133(W) x 75(D)	
Weight	0.8kg	