

Toxic Detector Specifications

Ammonia (NH3)






Description

The ZS-NH3 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	Ammonia (NH3)			
Model Number	ZS-NH3/100	ZS-NH3/300	ZS-NH3/1000	ZS-NH3/5000
Part Number	47-530	47-533	47-531	47-532
Target Gas Range	0-100ppm	0-300ppm	0-1000ppm	0-5000ppm
Replacement Sensor Part Number	CY-DTX-NT-NH3-PL100	CY-DTX-NT-NH3-PL300	CY-DTX-NT-NH3-PL1000	CY-DTX-NT-NH3-PL5000
Specific Gravity (Air=1)	0.59			
Sensor Lifetime	3 Years			
Pre-Alarm Settings (ppm) Bold=Default	010ppm, 015ppm, 020ppm , 025ppm, 030ppm	030ppm, 045ppm, 060ppm , 075ppm, 090ppm	100ppm, 150ppm, 200ppm , 250ppm, 300ppm	500ppm, 750ppm, 1000ppm, 1250ppm, 1500ppm
Alarm 1 Settings (ppm) Bold=Default	020ppm, 025ppm, 030ppm , 035ppm, 040ppm	060ppm, 075ppm, 090ppm , 105ppm, 120ppm	200ppm, 250ppm, 300ppm , 350ppm, 400ppm	1000ppm, 1250ppm, 1500ppm, 1750ppm, 2000ppm
Alarm 2 Settings (ppm) Bold=Default	030ppm, 035ppm, 040ppm , 045ppm, 050ppm	090ppm, 105ppm, 120ppm , 135ppm, 150ppm	300ppm, 350ppm, 400ppm , 450ppm, 500ppm	1500ppm, 1750ppm, 2000ppm, 2250ppm, 2500ppm
Response Time	<90 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			