Toxic Detector Specifications
Ammonia (NH3)

Description

The ZSFP-NH3 is a flameproof gas detector with an ATEX approved sensor housing for a fixed detector application.

It comprises of a unique enclosure design with an aluminium housing with 4 gland entries The enclosure contains the processing electronics and display LCD behind a glass window. The sensor is enclosed in an ATEX approved stainless steel housing.

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 can be used as a standalone detector or wired to the Gas Sense panel with a unique protocol communication.

Technical Specification

Gas Type	Ammonia (NH3)			
Model Number	ZSFP-NH3/100	ZSFP-NH3/300	ZSFP-NH3/1000	ZSFP-NH3/5000
Part Number	47-830	47-833	47-831	47-832
Target Gas Range	0-100ppm	0-300ppm	0-1000ppm	0-5000ppm
Replacement Sensor Part Number	NET32-ATX-NT-NH3-PL100	NET32-ATX-NT-NH3-PL300	NET32-ATX-NT-NH3-PL1000	NET32-ATX-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			
Rec. Storage Temp.	0°C – 20°C			
Gas Sensor Type	Electro Chemical			
Dimensions (mm)	205(H) x 192(W) x 85(D)			
Weight	2.2kg			