

# Toxic Detector Specifications

## Nitric Oxide (NO)



### Description

The ZSFP-NO 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	Nitric Oxide (NO)	
Model Number	ZSFP-NO/100	ZSFP-NO/300
Part Number	47-845	47-846
Target Gas Range	0-100ppm	0-300ppm
Replacement Sensor Part Number	NET32-ATX-NT-NO-PL100	NET32-ATX-NT-NO-PL300
Specific Gravity (Air=1)	1.04	
Sensor Lifetime	3 years	
Pre-Alarm Settings (ppm) Bold=Default	010ppm, 015ppm, <b>020ppm</b> , 025ppm, 030ppm	030ppm, 045ppm, <b>060ppm</b> , 075ppm, 090ppm
Alarm 1 Settings (ppm) Bold=Default	020ppm, 025ppm, <b>030ppm</b> , 035ppm, 040ppm	060ppm, 075ppm, <b>090ppm</b> , 105ppm, 120ppm
Alarm 2 Settings (ppm) Bold=Default	030ppm, 035ppm, <b>040ppm</b> , 045ppm, 050ppm	090ppm, 105ppm, <b>120ppm</b> , 135ppm, 150ppm
Response Time	<25 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)	205(H) x 192(W) x 85(D)	
Weight	2.2kg	