

# Toxic Detector Specifications

## Nitrogen Dioxide (NO2)






### Description

The ZSFP-NO2 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	Nitrogen Dioxide (NO2)
Model Number	ZS-NO2/30
Part Number	47-841
Target Gas Range	0-30ppm
Replacement Sensor Part Number	NET32-ATX-NT-NO2-PL30
Specific Gravity (Air=1)	1.1
Sensor Lifetime	3 Years
Pre-Alarm Settings (ppm) Bold=Default	3.0ppm, 4.5ppm, <b>6.0ppm</b> , 7.5ppm, 9.0ppm
Alarm 1 Settings (ppm) Bold=Default	6.0ppm, 7.5ppm, <b>9.0ppm</b> , 10.5ppm, 12.0ppm
Alarm 2 Settings (ppm) Bold=Default	9.0ppm, 10.5ppm, <b>12.0ppm</b> , 13.5ppm, 15.0ppm
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