

Toxic Detector Specifications

Hydrogen Sulphide (H₂S)






Description

The ZSFP-H₂S 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	Hydrogen Sulphide (H ₂ S)
Model Number	ZSFP-H ₂ S/100
Part Number	47-820
Target Gas Range	0-100ppm
Replacement Sensor Part Number	NET32-ATX-NT-H ₂ S-PL100
Specific Gravity (Air=1)	1.19
Sensor Lifetime	3 Years
Pre-Alarm Settings (ppm) Bold=Default	010ppm, 015ppm, 020ppm , 025ppm, 030ppm
Alarm 1 Settings (ppm) Bold=Default	020ppm, 025ppm, 030ppm , 035ppm, 040ppm
Alarm 2 Settings (ppm) Bold=Default	030ppm, 035ppm, 040ppm , 045ppm, 050ppm
Response Time	20 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