

Toxic Detector Specifications

Hydrogen Sulphide (H₂S)






Description

The ZS-H₂S 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	Hydrogen Sulphide (H ₂ S)
Model Number	ZS-H ₂ S/100
Part Number	47-520
Target Gas Range	0-100ppm
Replacement Sensor Part Number	CY-DTX-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)	174(H) x 133(W) x 75(D)
Weight	0.8kg