

Toxic Detector Specifications

Sulphur Dioxide (SO₂)






Description

The ZSFP-SO₂/20 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	Sulphur Dioxide (SO ₂)
Model Number	ZSFP-SO ₂ /20
Part Number	47-855
Target Gas Range	0-20ppm
Replacement Sensor Part Number	NET32-ATX-NT-SO ₂ -PL20
Specific Gravity (Air=1)	2.26
Sensor Lifetime	3 Years
Pre-Alarm Settings (ppm) Bold=Default	2.0ppm, 3.0ppm, 4.0ppm , 5.0ppm, 6.0ppm
Alarm 1 Settings (ppm) Bold=Default	4.0ppm, 5.0ppm, 6.0ppm , 7.0ppm, 8.0ppm
Alarm 2 Settings (ppm) Bold=Default	6.0ppm, 7.0ppm, 8.0ppm , 9.0ppm, 10.0ppm
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