

Toxic Detector Specifications

Sulphur Dioxide (SO₂)






Description

The ZS-SO₂ 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 | Sulphur Dioxide (SO ₂) |
|--|---|
| Model Number | ZS-SO ₂ /20 |
| Part Number | 47-555 |
| Target Gas Range | 0-20ppm |
| Replacement Sensor Part Number | CY-DTX-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) | 174(H) x 133(W) x 75(D) |
| Weight | 0.8kg |