

Toxic Detector Specifications

Oxygen (O2)






Description

The ZSFP-O2/25% 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 | Oxygen (O2) |
|--|---|
| Model Number | ZSFP-O2/25% |
| Part Number | 47-735 |
| Target Gas Range | 0-25% VOL. |
| Replacement Sensor Part Number | NET32-AO2-NT-O2-A2 |
| Specific Gravity (Air=1) | 1.14 |
| Sensor Lifetime | 3 Years |
| Pre-Alarm Settings (ppm) | Depletion Level 13.5% - 18.5% (0.1% Increments) |
| Alarm 1 Settings (ppm) | Predef Level 18.5% - 22% (0.1% Increments) |
| Alarm 2 Settings (ppm) | Enrichment Level 20.9% - 25% (0.1% Increments) |
| Response Time | <15 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 |