Toxic Detector Specifications Ammonia (NH3)





Description

The ZS-NH3 range is housed in an IP65 ABS housing with top and side cable entries.

The sensor/cyberboard is housed in a accessable 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 | Ammonia (NH3) | | | | |
|---|--|--|--|---|--|
| Model Number | ZS-NH3/100 | ZS-NH3/300 | ZS-NH3/1000 | ZS-NH3/5000 | |
| Part Number | 47-530 | 47-533 | 47-531 | 47-532 | |
| Target Gas Range | 0-100ppm | 0-300ppm | 0-1000ppm | 0-5000ppm | |
| Replacement Sensor Part Number | CY-DTX-NT-NH3- PL100 | CY-DTX-NT-NH3- PL300 | CY-DTX-NT-NH3- PL1000 | CY-DTX-NT-NH3- PL5000 | |
| Specific Gravity (Air=1) | 0.59 | | | | |
| Sensor Lifetime | 3 Years | | | | |
| Pre-Alarm Settings (ppm) Bold=Default | 010ppm, 015ppm, 020ppm , 025ppm, 030ppm | 030ppm, 045ppm, 060ppm , 075ppm, 090ppm | 100ppm, 150ppm, 200ppm , 250ppm, 300ppm | 500ppm, 750ppm, 1000ppm, 1250ppm, 1500ppm | |
| Alarm 1 Settings (ppm) Bold=Default | 020ppm, 025ppm, 030ppm , 035ppm, 040ppm | 060ppm, 075ppm, 090ppm , 105ppm, 120ppm | 200ppm, 250ppm, 300ppm , 350ppm, 400ppm | 1000ppm, 1250ppm, 1500ppm, 1750ppm, 2000ppm | |
| Alarm 2 Settings (ppm) Bold=Default | 030ppm, 035ppm, 040ppm , 045ppm, 050ppm | 090ppm, 105ppm, 120ppm , 135ppm, 150ppm | 300ppm, 350ppm, 400ppm , 450ppm, 500ppm | 1500ppm, 1750ppm, 2000ppm, 2250ppm, 2500ppm | |
| Response Time | <90 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) | | | |
| | 174(H) x 133(W) x 75 | 5(D) | | | |