|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Gas Name** | **Formula** | **Range** | **Lower**  **Alarms**  **Limit** | **Default**  **Alarms 1** | **Default**  **Alarms 2** | **Sensor Part**  **Number** |
| Ammonia | NH3 | 0-100 ppm | 12 ppm | 12.5 ppm | 25 ppm | MIDAS-S/E-NH3 |
| Arsine | AsH3 | 0-200 ppb | 5 ppb | 5 ppb | 10 ppb | MIDAS-S/E-ASH |
| Boron Trichloride | BCl 3 | 0-8 ppm | 0.95 ppm | 1 ppm | 2 ppm | MIDAS-S/E-HCL |
| Boron Trifluoride | BF3 | 0-8 ppm | 0.96 ppm | 1 ppm | 2 ppm | MIDAS-S/E-HFX |
| Boron Trifluoride  Low Range | BF3 | 0-2 ppm | 0.45 pm | 0.45 ppm | 0.5 ppm | MIDAS-E-HFU |
| Boron Trifluoride Low  Level | BF3 | 0-2 ppm | 0.24 ppm | 0.25 ppm | 0.5 ppm | MIDAS-S/E-HFL |
| Bromine | Br2 | 0-0.4 ppm | 0.048 ppm | 0.05 ppm | 0.1 ppm | MIDAS-S/E-BR2 |
| n-Butane | nCH410 | 0-100% LEL | 4.5% LEL | 10% LEL | 20% LEL | MIDAS-E-LEB |
| Carbon Dioxide | CO2 | 0-2 vol% | 0.25 vol% | 0.25 vol% | 0.50 vol% | MIDAS-S/E-CO2 |
|  |  | 0-2 vol% | 0.25 vol% | 0.25 vol% | 0.50 vol% | MIDAS-I-CO2 |
|  |  | 0-5 vol% | 0.25 vol% | 0.25 vol% | 0.50 vol% | MIDAS-I-CO2 |
|  |  | 0-0.2 vol% | 0.02 vol% | 0.02 vol% | 0.05 vol% | MIDAS-I-CO2 |
| Carbon Monoxide | CO | 0-100 ppm | 12 ppm | 12.5 ppm | 25 ppm | MIDAS-S/E-COH |
|  |  | 0-100 ppm | 12 ppm | 12.5 ppm | 25 ppm | MIDAS-S/E-COX |
| Carbonyl Sulfide | COS | 0-100 ppm | 10 ppm | 10 ppm | 20 ppm | MIDAS-X-COS |
|  |  |  | 25 ppm | 25 ppm | 50 ppm |  |
| Chlorine | Cl2 | 0-2 ppm | 0.24 ppm | 0.25 ppm | 0.50 ppm | MIDAS-S/E-HAL |
|  |  | 0-2 ppm | 0.24 ppm | 0.25 ppm | 0.50 ppm | MIDAS-E-HAX |
| Chlorine Dioxide | ClO2 | 0-0.4 ppm | 0.048 ppm | 0.05 ppm | 0.1 ppm | MIDAS-S/E-BR2 |
| Diborane | B2H6 | 0-400 ppb | 48 ppb | 50 ppb | 100 ppb | MIDAS-S/E-B2H |
| Dichlorosilane | SiHCl22 | 0-8 ppm | 0.95 ppm | 1 ppm | 2 ppm | MIDAS-S/E-HCL |
| Dichlorosilane  High Range | H2SiCl2 | 0-15 ppm | 5 ppm | 5 ppm | 10 ppm | MIDAS-E-HCH |
| Difluoromethane | CH2F2 | 0-120 ppm | 8 ppm | 15 ppm | 30 ppm | MIDAS-S/E-XCF |
| Disilane | Si H26 | 0-20 ppm | 2.4 ppm | 2.5 ppm | 5 ppm | MIDAS-S/E-SHX |
| Ethylene | C2H4 | 0-100% LEL | 4.5% LEL | 10% LEL | 20% LEL | MIDAS-S/H/E-LEL |
| Fluorine | F2 | 0-4 ppm | 0.25 ppm | 0.25 ppm | 1.00 ppm | MIDAS-S/E-HAL |
| Germane | GeH4 | 0-800 ppb | 95 ppb | 100 ppb | 200 ppb | MIDAS-S/E-ASH |
| Hexafluorobutadiene | C4F6 | 0-40 ppm | 4.0 ppm | 5 ppm | 10 ppm | MIDAS-S/E-XCF |
| Hexafluorobutadiene  (w/HTP pyro) High  Range | C4F6 | 0-80 ppm | 20 ppm | 20 ppm | 40 ppm | MIDAS-E-CFH |
| Hexafluoroisobutylene | CHF426 | 0-40 ppm | 12 ppm | 12 ppm | 24 ppm | MIDAS-S/E-XCF |
| Hydrogen (%LEL)^{7} | H2 | 0-100%  LEL 1 | 4.5% LEL | 10% LEL | 20% LEL | MIDAS-S/H/E-LEL^{8} |
| Hydrogen (ppm) | H2 | 0-1000 ppm | 120 ppm | 125 ppm | 250 ppm | MIDAS-S/E-H2X |
| Hydrogen Bromide | HBr | 0-8 ppm | 0.95 ppm | 1 ppm | 2 ppm | MIDAS-S/E-HCL |
| Hydrogen Chloride | HCl | 0-8 ppm | 0.30 ppm | 1 ppm | 2 ppm | MIDAS-S/E-HCL |
| Hydrogen Chloride  High Range | HCl | 0-15 ppm | 1.7 ppm | 5 ppm | 10 ppm | MIDAS-E-HCH |
| Hydrogen Cyanide | HCN | 0-20 ppm | 2.4 ppm | 2.5 ppm | 4.7 ppm | MIDAS-S/E-HCN |
| Hydrogen Fluoride | HF | 0-12 ppm | 1.45 ppm | 1.5 ppm | 3 ppm | MIDAS-S/E-HFX |
| Hydrogen Fluoride  Low Range | HF | 0 - 2 ppm | 0.45 ppm | 0.45 ppm | 0.5 ppm | MIDAS-S/E-HFU |
| Hydrogen Fluoride  Low Level | HF | 0.18-2 ppm | 0.24 ppm | 0.25 ppm | 0.5 ppm | MIDAS-S/E-HFL |
| Hydrogen Sulfide | HS2 | 0-40 ppm | 4.8 ppm | 5 ppm | 10 ppm | MIDAS-S/E-H2S |
| Methane (%LEL)^{7} | CH4 | 0-100%  LEL 1 | 4.5%LEL | 10% LEL | 20% LEL | MIDAS-S/H/E-LEL^{8} |
| Methyl Fluoride | CH3F | 0-120 ppm | 10 ppm | 15 ppm | 30 ppm | MIDAS-S/E-XHF |
| Nitrogen Dioxide | NO2 | 0-12 ppm | 1.45 ppm | 1.5 ppm | 3 ppm | MIDAS-S/E-NO2 |
| Nitric Oxide | NO | 0-100 ppm | 12 ppm | 12.5 ppm | 25 ppm | MIDAS-S/E-NOX |
|  |  | 0-40 ppm | 4.8 ppm | 5.0 ppm | 10.0 ppm | MIDAS-S/E-HFX |
| Nitrogen Trifluoride | NF3 | 0-40 ppm | 4.0 ppm | 5 ppm | 10 ppm | MIDAS-S/E-XHF |
| Nitrous Oxide | NO2 | 0-1000 ppm | 125 ppm | 250 ppm | 500 ppm | MIDAS-I-N2O |
| n-Octane | n-CH818 | 0-100% LEL | 4.5% LEL | 10% LEL | 20% LEL | MIDAS-E-LEO |
| Octafluorocyclopentene | C5F8 | 0-40 ppm | 4.0 ppm | 5 ppm | 10 ppm | MIDAS-S/E-XCF |
| Oxygen Proficiency &  Deficiency | O2 | 0-25 vol% | 5 vol% | 23.5 vol% | 19.5 vol% | MIDAS-S/E-O2X |
|  |  |  |  |  |  | MIDAS-S/E-O2S |
|  |  |  |  |  |  | MIDAS-L-O2S |
| Ozone | O3 | 0-0.4 ppm | 0.048 ppm | 0.05 ppm | 0.1 ppm | MIDAS-S/E-O3X |
| Ozone High Level | O3 | 0-0.7 ppm | 0.085 ppm | 0.3 ppm | 0.6 ppm | MIDAS-E-O3H |
| Phosphine | PH3 | 0-1200 ppb | 145 ppb | 150 ppb | 300 ppb | MIDAS-S/E-PHX |
| Propane (%LEL) C\_{3} H\_{8} US | C3H8 | 0-100% LEL | 4.5% LEL | 10% LEL | 20% LEL | MIDAS-S/E-LEX |
| Propane (%LEL) C\_{3} H\_{8} EU |  | 0-100% LEL | 4.5% LEL | 10% LEL | 20% LEL | MIDAS-S/E-LEX |
| Propylene | C3H6 | 0-100% LEL | 4.5% LEL | 10% LEL | 20% LEL | MIDAS-S/H/E-LEL |
| R134a | C2H2F4 | 0-1000 ppm | 50 ppm | 250 ppm | 500 ppm | MIDAS-S/E-XCF |
| Silane | SiH4 | 0-20 ppm | 2.4 ppm | 2.5 ppm | 5 ppm | MIDAS-S/E-SHX |
|  |  |  |  |  |  |  |
| Silane Low Level | SiH4 | 0-2 ppm | 0.24 ppm | 0.25 ppm | 0.50 ppm | MIDAS-S/E-SHL |
| Sulfur Dioxide | SO2 | 0-8 ppm | 0.95 ppm | 1 ppm | 2 ppm | MIDAS-S/E-SO2 |
|  |  |  | 4.8 ppm | 5 ppm | 10 ppm |  |
| TEOS | TEOS | 0-40 ppm | 5.8 ppm | 6 ppm | 10 ppm | MIDAS-S/E-TEO |
| Tungsten |  |  |  |  |  |  |
| Hexafluoride | WF6 | 0-12 ppm | 1.45 ppm | 1.5 ppm | 3 ppm | MIDAS-S/E-HFX |
| Tungsten  Hexafluoride  Low Range | WF6 | 0-2 ppm | 0.45 ppm | 0.45 ppm | 0.5 ppm | MIDAS-E-HFU |
| Tungsten  Hexafluoride Low  Level | WF6 | 0-2 ppm | 0.24 ppm | 0.25 ppm | 0.5 ppm | MIDAS-S/E-HFL |