# 6 Gas, Sample Draw With PID, IR & Super Toxic Sensors

## Gas Detection For Life — GX-6000




## Features

- 6 Operating modes
- Smallest 6 gas sample draw
- 2 Interchangeable smart sensor slots
- 4 PID options: 10.6 (2 ranges) eV, 10.0 eV, and 11.7 eV lamps
- PID library of over 600 VOCs
  - — Easily switch target VOC from customizable user list or a recently used list
- Benzene specific version
- PPM Leak Check mode
- LEL sensor protection mode
- Man-down alarm
- Panic alarm
- Auto display rotation
- Peak-bar display
- LED Light source
- Internal sample pump
- Light weight, small, rugged IP-67 design
- Interchangeable battery packs (Li-ion / alkaline)
- Operates up to 14 hours on Li-ion battery pack, fully recharges in 3 hours; 8 hours operation with alkaline pack
- Field replaceable sensors, batteries, filters and pump
- Intrinsically safe ATEX / IECEx / cCSAus

## Applications

- Confined space entry
- Hazmat response teams
- Arson investigation
- Remediation sites
- Perimeter monitoring
- Leak detection
- Landfill monitoring
- Wing tank entry

Simply put, the GX-6000 is a game changer. This powerful hand-held instrument is capable of simultaneously monitoring up to 6 gases. In addition to the standard 4 confined space gases which include combustibles, O2, CO, & H2S, the GX-6000 has 2 additional smart channels that accept PID, IR or super toxic sensors. Equipped with a strong internal sample pump, a man-down alarm, a panic alarm, an LED flashlight, and large auto rotating LCD display, the GX-6000 can operate as a single gas PID unit or a multifunctional tool utilizing all 6 channels. The GX-6000 with a PID sensor will come equipped with a library of over 600 VOC gases to choose from as standard. Choosing from the library is easy with a personalized favorites list of 30 commonly used VOC's as well as a list of 8 of the most recently used VOC's. A benzene-specific version is available using a pre-filter tube for detecting low levels of benzene. Four PID sensors are available, 10.0 eV, 10.6 eV (low or high range), and 11.7 eV. Any combination of two PID sensors can be installed.

The GX-6000 has a rugged design built for the nastiest environments. It is equipped with a removable impact-resistant rubber boot and a dust and water resistant enclosure with an IP-67 rating. With 5 bright LED lights on 3 sides of the instrument, alarms are easily seen from a variety of perspectives. With vibration and loud audible alarm, GX-6000 will easily alert users when needed.



*SDM-6000 Calibration Station*

**Simlu Holdings**
Nexus House, Zimbali Lodge Drive,
Port Zimbali, Dolphin Coast, 4399
Tel: 087 711 2315 | info@simlu.africa
www.simlu.africa

# GX-6000

## Gases & Detectable Ranges

| Gas | | Measuring Range | Reading Increment | Alarm Set Points | Accuracy (which ever is greater) |
|---|---|---|---|---|---|
| **PID Sensors** | | | | | |
| 10.6 Lamp | 600 VOC's | 0 - 50,000 ppb | 1 ppb: (< 5000 ppb)<br>10 ppb: (> 5,000 ppb) | A1: 5,000 ppb<br>A2: 10,000 ppb | ± 10% of reading, ± 1 digit |
| | | 0 - 6,000 ppm | 0.1 ppm: (< 600 ppm)<br>1 ppm: (> 600 ppm) | A1: 400 ppm<br>A2: 1,000 ppm | |
| 10.0 Lamp | Benzene Specific | 0.1 - 50 ppm | 0.01 ppm (0 ~ 10 ppm)<br>0.1 ppm (10 ~ 50 ppm) | No Alarms | |
| 10.0 Lamp | 300 VOC's | 0 - 100 ppm | 0.01 ppm (0 ~ 10 ppm)<br>0.1 ppm (10 ~ 100 ppm) | A1: 5 ppm<br>A2: 10 ppm | |
| 11.7 Lamp | High Voltage Lamp | 0 - 1000 ppm | 0.1 ppm | A1: 400 ppm<br>A2: 1,000 ppm | |
| **Galvanic** | | | | | |
| Oxygen (O2) | | 0 - 40.0% Vol. | 0.1% Vol. | A1: 19.5 Vol.<br>A2: 23.5 Vol. | ± 0.5% O2 |
| **Electro Chemical** | | | | | |
| Carbon Monoxide (CO) | | 0 - 500 ppm | 1 ppm | A1: 25 ppm<br>A2: 50 ppm<br>TWA 25 ppm<br>STEL 200 ppm | ± 5% of reading or ± 5 ppm |
| Hydrogen Sulfide (H2S) | | 0 - 100.0 ppm | 0.5 ppm | A1: 5.0 ppm<br>A2: 30.0 ppm<br>TWA 1.0 ppm<br>STEL 5.0 ppm | ± 5% of reading or ± 2 ppm |
| **Toxics (EC Sensors)** | | | | | |
| Ammonia (NH3) | | 0 - 400.0 ppm | 0.5 ppm | A1: 25 ppm<br>A2: 50 ppm | ± 10% of reading or ± 5% of full scale |
| Chlorine (Cl2) | | 0 - 10.00 ppm | 0.05 ppm | A1: 0.5 ppm<br>A2: 1.0 ppm | |
| Hydrogen Cyanide (HCN) | | 0 - 15.0 ppm | 0.1 ppm | A1: 5 ppm<br>A2: 10 ppm | |
| Nitrogen Dioxide (NO2) | | 0 - 20.00 ppm | 0.05 ppm | A1: 3 ppm<br>A2: 6 ppm | |
| Sulfur Dioxide (SO2) | | 0 - 99.90 ppm | | A1: 2 ppm<br>A2: 5 ppm | |
| **IR Sensors** | | | | | |
| Carbon Dioxide (CO2) | | 0 - 10,000 ppm | 20 ppm | A1: 5,000 ppm<br>TWA 5,000 ppm | ± 5% of reading or ± 2% of full scale |
| | | 0 - 10.00% Vol. | 0.02% | A1: 0.50% Vol<br>A2: 3.00% Vol<br>STEL 3.00% Vol<br>TWA 0.50% Vol | |
| Methane (CH4) | | 0 - 100% LEL<br>0 - 100% Vol. | 1% LEL/<br>0.5% Vol | A1: 10% LEL<br>A2: 50% LEL | |
| Hydrocarbons | | 0 - 100% LEL<br>0 - 30% Vol. | | | |
| **Catalytic** | | | | | |
| Hydrocarbons (CH4, std) | | 0 - 100% LEL | 1% LEL | A1: 10%LEL<br>A2: 50%LEL | ± 5% of reading or ± 2% LEL |

## Common Specifications

| | | | |
|---|---|---|---|
| | **Gas alarm** | **Man-down** | **Trouble** |
| **Alarm Types** | Low and high adjustable | 1st - self reset<br>2nd - latching | Low flow<br>Sensor connection<br>Low battery<br>Circuit error<br>Calibration range |
| **Sample Method** | Sample draw pump, flow rate 0.45 LPM, 50 foot sample range | | |
| **Display** | Digital LCD, autobacklight, peak bar display, auto display rotation, and customize order of gases | | |
| **Audible Alarm** | 95 dB at 1 ft. | | |
| **Languages** | English, Spanish, French, German, Italian, Japanese, Korean, Portuguese, Russian | | |
| **Continuous Operation** | 14 hours on Lithium-ion battery pack. Complete recharge in 3 hours.<br>8 hours Alkaline battery pack (3 AA size within each pack) | | |
| **Operating Temp. & Humidity** | -4°F to 122°F (-20°C ~ +50°C), 0- 95% RH non condensing | | |
| **Dimensions** | 2.6" W x 7.8" H x 2" D (H200 x W68 x D52 mm)<br>14 ounce (400g) (with lithium battery pack) | | |
| **Case Material** | Dust and water resistant with IP-67 approval (exclude sample hose and probe) | | |
| **Safety Design / Approvals** | Explosion proof: IECEx , ATEX , TIIS , cCSAus<br>Explosion class :Ex ia IIC T4 Ga Others: CE Marking | | |
| **Standard Features** | 2 Smart sensors slots auto recognize sensor changes<br>Library of over 600 VOC's<br>User defined VOC list. Up to 30 frequently used<br>Recent VOC list for last 8 selected gases<br>Pump and circuit status indicators<br>User & station ID selection menu<br>Datalogging (interval, alarm trend, station and user ID)<br>Snap logging - on demand data logging<br>Demand zero / Auto zero<br>BUMP and CAL expiration alarm<br>Flashlight<br>IrDA communication<br>LEL sensor protection mode | | |
| **Standard Accessories** | • Rubber boot • Belt clip<br>• Hand strap • Tapper nozzle<br>• Probe with hydrophobic & dust filter 3' teflon lined hose<br>• Benzene pre-filter tubes and holder (benzene versions) | | |
| **Optional Accessories** | • SDM-6000 calibration station<br>• Bundles with instrument carrying case and accessories<br>• Flexible probes<br>• Up to 50 foot sample hoses<br>• Filter set<br>• IrDA cable | | |
| **Warranty** | Two years material (including sensors) and workmanship. One year for PID sensor (Two months for 11.7 eV lamp) | | |

SIMLU HOLDINGS

**Simlu Holdings**
Nexus House, Zimbali Lodge Drive,
Port Zimbali, Dolphin Coast, 4399
Tel: 087 711 2315 | info@simlu.africa
www.simlu.africa