



# PORTABLE MULTI GAS DETECTOR

## LEADERS IN GAS DETECTION

Since 1977

## GX-6000 Model



### Features:

- Multi gas detection 1 to 6 gases
- Smart sensors - PID, EC, IR, OS
- World smallest & lightest 6 gas monitor
- Interchangeable power source Li-Ion / Alkaline
- Wide operation temp. -20°C to 50°C
- High water & dust proof level IP67
- Various approvals ATEX / IECEx / CE
- Docking station SDM-6000
- Man down / Panic alarm / LCD inversion / LED flashlight
- +24 hours operation

### Applications:

- Personal monitoring
- Refineries / petrochemical
- Wastewater treatment / confined space
- Utilities
- Chemical plants
- Hazardous material
- Water
- Fire service



Smart Sensors for PID, Electro Chemical are newly released



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**Offices/Agents in:**  
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 Melbourne  
 Adelaide  
 Perth  
 Hobart  
 Auckland  
 Wellington  
 Christchurch



# Specifications

# GX-6000 Model

Gases & Detectable Ranges				
Gas	Measuring Range	Minimum Display	Alarm Set Points	Accuracy (which ever is greater)
<b>Catalytic</b>				
Hydrocarbons (CH4, std)	0 - 100% LEL	1% LEL	A1: 5%LEL	± 5% of reading or ± 2% LEL
			A2: 10%LEL	
<b>Galvanic</b>				
Oxygen (O2)	0 - 40% Vol.	0.1% Vol.	A1: 19.5 Vol.	± 0.5% O2
			A2: 23.5 Vol.	
<b>Electro Chemical</b>				
Carbon Monoxide (CO)	0 - 500 ppm	1 ppm	A1: 30 ppm	± 5% of reading or ± 5 ppm
			A2: 60 ppm	
			TWA: 30 ppm	
			STEL: 60 ppm	
Hydrogen Sulfide (H2S)	0 - 100 ppm	0.5 ppm	A1: 10 ppm	± 5% of reading or ± 2 ppm
			A2: 15 ppm	
			TWA: 10 ppm	
			STEL: 15 ppm	
<b>Toxics (EC Sensors)</b>				
Ammonia (NH3)	0 - 400 ppm	5 ppm	A1: 25 ppm	± 10% of reading or ± 5% of full scale
			A2: 35 ppm	
Chlorine (Cl2)	0 - 10 ppm	0.05 ppm	A1: 0.5 ppm	
			A2: 1.0 ppm	
Hydrogen Cyanide (HCN)	0 - 15 ppm	0.1 ppm	A1: 5 ppm	
			A2: 10 ppm	
Nitrogen Dioxide (NO2)	0 - 20 ppm	0.05 ppm	A1: 3 ppm	
			A2: 5 ppm	
Sulfur Dioxide (SO2)	0 - 99.90 ppm	0.05 ppm	A1: 2 ppm	
			A2: 5 ppm	
<b>IR Sensors</b>				
Carbon Dioxide (CO2)	0 - 10,000 ppm	25 ppm	A1: 5,000 ppm	± 5% of
			TWA: 5,000 ppm	
	0 - 10% Vol.	0.2%	A1: 0.50% Vol	
			A2: 3.00% Vol	
			STEL: 3.00% Vol	
Methane (CH4)	0 - 100% LEL 0 - 100% Vol.	Vol. 1% LEL/ 0.5% Vol	A1: 5% LEL	reading or ± 2% of full scale
			A2: 10% LEL	
Hydrocarbons (HC)	0 - 100% LEL 0 - 30% Vol.	Vol. 1% LEL/ 0.5% Vol	A1: 5,000 ppb	
			A2: 10,000 ppb	
600 VOC 10.0 Lamp	0 - 50,000 ppb	1 ppb: ( < 5000 ppb) 10 ppb: ( > 5,000 ppb)	A1: 5,000 ppb	± 5% of full scale
			A2: 10,000 ppb	
	0 - 6,000 ppm	0.1 ppm: ( < 600 ppm) 1 ppm: ( > 600 ppm)	A1: 400 ppm	
			A2: 600 ppm	
Benzane Specific	0.1 - 50 ppm	0.01 ppm ( 0 ~ 10 ppm) 0.1 ppm (10 ~ 50 ppm)	No alarms.	
			STEL: 60 ppm	
300 VOC's 10.0 Lamp	0 - 100 ppm	0.01 ppm ( 0 ~ 10 ppm) 0.1 ppm (10 ~ 100 ppm)	A1: 5 ppm	
			A2: 10 ppm	
<b>PID Sensors</b>				
600 VOC 10.0 Lamp	0 - 50,000 ppb	1 ppb: ( < 5000 ppb) 10 ppb: ( > 5,000 ppb)	A1: 5,000 ppb	± 5% of full scale
			A2: 10,000 ppb	
Benzane Specific	0.1 - 50 ppm	0.01 ppm ( 0 ~ 10 ppm) 0.1 ppm (10 ~ 50 ppm)	No alarms.	
			A1: 5 ppm	
300 VOC's 10.0 Lamp	0 - 100 ppm	0.01 ppm ( 0 ~ 10 ppm) 0.1 ppm (10 ~ 100 ppm)	A2: 10 ppm	

\*No alarms in %Vol. range.

Common Specifications		
Gas alarm	Man-down	Trouble
Low and high adjustable	1st - self reset 2nd - latching	Low flow Sensor connection Low battery Circuit error Calibration range
<b>Alarm Types</b>		
<b>Sample Method</b>	Sample draw pump, flow rate 0.45 LPM 15 meter sample range	
<b>Display</b>	Digital LCD, autbacklite, peak bar display, auto display rotation, and customize order of gases	
<b>Audible Alarm</b>	95 dB at 30cm	
<b>Continuous Operation</b>	14 hours on Lithium-ion battery pack. Complete recharge in 3 hours. 8 hours Alkaline battery pack (3 AA size in each pack)	
<b>Operating Temp. &amp; Humidity</b>	-20°C to +50°C, 0- 95% RH non condensing	
<b>Dimensions</b>	70mm W x 201mm H x 54mm D 600g (with lithium battery pack)	
<b>Case Material</b>	Dust and water resistant with IP-67 approval (exclude sample hose and probe)	
<b>Safety Design / Approvals</b>	Explosion proof: IECEx , ATEX , TIIS , (CSA) pending Explosion class :Ex ia IIC T4 Ga Others: CE Marking	
<b>Standard Features</b>	2 Smart sensors slots auto recognize sensor changes Library of over 600 VOC's User defined VOC list. Up to 30 frequently used Recent VOC list for last 8 selected gases Pump and circuit status indicators User & station ID selection menu Data logging (interval, alarm trend, station and user ID) Snap logging - on demand data logging Demand zero / Auto zero BUMP and CAL expiration alarm Flashlight IrDA communication LEL sensor protection mode	
<b>Standard Accessories</b>	<ul style="list-style-type: none"> <li>Taper nozzle</li> <li>Hand strap</li> <li>LCD protect nozzle</li> <li>Belt clip</li> <li>Rubber boot</li> <li>Li-Ion battery unit (BUL-6000)</li> </ul>	
<b>Optional Accessories</b>	<ul style="list-style-type: none"> <li>Alkaline battery pack &amp; charger</li> <li>Filter set</li> <li>IrDA cable</li> </ul>	
<b>Warranty</b>	Two years material (including sensors) and workmanship. One year for PID sensor.	



**SDM-6000  
Calibration Station  
Available Now**

<b>Standard accessories</b>	BUL-6000 Charger (Li-ion battery unit)	Rubber Boot	Taper nozzle	LCD protect nozzle	Hand strap	Belt clip
<b>Optional accessories</b>	Gas sampling probe Gas sampling hose 0.75m/5m/10m/20m/30m	BUD-6000 (Alkaline battery unit ), AA battery x 3	Data logger & PID list setting programs	SDM-6000		