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

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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) 10 ppb: (> 5,000 ppb)	A1: 5,000 ppb A2: 10,000 ppb	± 10% of reading, ± 1 digit
		0 - 6,000 ppm	0.1 ppm: (< 600 ppm) 1 ppm: (> 600 ppm)	A1: 400 ppm A2: 1,000 ppm	
10.0 Lamp	Benzene Specific	0.1 - 50 ppm	0.01 ppm (0 ~ 10 ppm) 0.1 ppm (10 ~ 50 ppm)	No Alarms	
	300 VOC's	0 - 100 ppm	0.01 ppm (0 ~ 10 ppm) 0.1 ppm (10 ~ 100 ppm)	A1: 5 ppm A2: 10 ppm	
11.7 Lamp	High Voltage Lamp	0 - 1000 ppm	0.1 ppm	A1: 400 ppm	
				A2: 1,000 ppm	
Galvanic					
Oxygen (O2)		0 - 40.0% Vol.	0.1% Vol.	A1: 19.5 Vol. A2: 23.5 Vol.	± 0.5% O2
Electro Chemical					
Carbon Monoxide (CO)		0 - 500 ppm	1 ppm	A1: 25 ppm A2: 50 ppm TWA: 25 ppm STEL: 200 ppm	± 5% of reading or ± 5 ppm
Hydrogen Sulfide (H2S)		0 - 100.0 ppm	0.5 ppm	A1: 5.0 ppm A2: 30.0 ppm TWA: 1.0 ppm 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 A2: 50 ppm	± 10% of reading or ± 5% of full scale
Chlorine (Cl2)		0 - 10.00 ppm	0.05 ppm	A1: 0.5 ppm A2: 1.0 ppm	
Hydrogen Cyanide (HCN)		0 - 15.0 ppm	0.1 ppm	A1: 5 ppm A2: 10 ppm	
Nitrogen Dioxide (NO2)		0 - 20.00 ppm	0.05 ppm	A1: 3 ppm A2: 6 ppm	
Sulfur Dioxide (SO2)		0 - 99.90 ppm		A1: 2 ppm A2: 5 ppm	
IR Sensors					
Carbon Dioxide (CO2)		0 - 10,000 ppm	20 ppm	A1: 5,000 ppm TWA: 5,000 ppm	± 5% of reading or ± 2% of full scale
		0 - 10.00% Vol.	0.02%	A1: 0.50% Vol A2: 3.00% Vol STEL: 3.00% Vol TWA: 0.50% Vol	
Methane (CH4)		0 - 100% LEL 0 - 100% Vol.	1% LEL/ 0.5% Vol	A1: 10% LEL A2: 50% LEL	
Hydrocarbons		0 - 100% LEL 0 - 30% Vol.			
Catalytic					
Hydrocarbons (CH4, std)		0 - 100% LEL	1% LEL	A1: 10%LEL 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 2nd - latching	Low flow Sensor connection Low battery Circuit error 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. 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) 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 Explosion class :Ex ia IIC T4 Ga Others: CE Marking
Standard Features	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 Datalogging (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
Standard Accessories	• Rubber boot • Belt clip • Hand strap • Tapper nozzle • Probe with hydrophobic & dust filter 3' teflon lined hose • Benzene pre-filter tubes and holder (benzene versions)
Optional Accessories	• SDM-6000 calibration station • Bundles with instrument carrying case and accessories • Flexible probes • Up to 50 foot sample hoses • Filter set • IrDA cable
Warranty	Two years material (including sensors) and workmanship. One year for PID sensor (Two months for 11.7 eV lamp)

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