



GX-6000

6 Operating modes

Smallest 6 gas sample draw

2 Interchangeable smart sensor slots

4 PID options: 10.6, 10.0 & 11.7 eV lamps

PID library of over 600 VOC's

Benzene specific version





GX-6000

Monitor up to 6 gases:

LEL, O₂, H₂S, CO

2 interchangeable "Smart Sensor" slots

- PID for VOC's
- IR for CH₄, HC, & CO₂
- EC for NH₃, Cl₂, HCN, NO₂ & SO₂

6 Operating modes

- Normal
- Leak Check
- Inert
- Bar Hole
- Snap Log
- Benzene Specific Mode

PID Library of more than 600 VOC's

- 4 PID options: 10.6 (2 ranges) eV, 10.0 eV, and 11.7 eV lamps
- 50,000 ppb / 6,000 ppm ranges
- Easily choose a target VOC
 - User defined VOC list of 30
 - Recently used VOC list of last 8

Glove friendly buttons glow-in-the-dark

Interchangeable battery options

- Lithium-ion pack operates 14 hours
 - Complete recharge in 3 hours
- Alkaline pack operates 8 hours

9 Languages

- English, Spanish, French, German, Italian, Japanese, Korean, Portuguese, Russian



Alarms

- 2 Adjustable gas alarms per channel
- Man down alarm
- Panic alarm
- 4 Alarm LED's
- Audible and vibration alarms
- Trouble alarms for low flow, sensor connection, low battery, circuit error and calibration

LED Flashlight

- On demand light source

LCD Display

- Auto flip display
- Peak bar graphs
- Adjustable auto backlight
- Customize order of gases
- Single gas view with large font and auto sequence

LEL protection mode

- Shields LEL sensor from damaging high hydrocarbon exposure

Intrinsically Safe

- IECEx
- ATEX
- cCSAus

Weather & dust resistant

- IP-67

7.87"



Specifications

Gases & Detectable Ranges			
Gas	Measuring Range	Minimum Display	Alarm Set Points
Catalytic			
Hydrocarbons (CH ₄ , std)	0 - 100% LEL	1% LEL	A1: 10% LEL A2: 50% LEL
Galvanic			
Oxygen (O ₂)	0 - 40% Vol.	0.1% Vol.	A1: 19.5 Vol. A2: 23.5 Vol.
Electro Chemical			
Carbon Monoxide (CO)	0 - 500 ppm	1 ppm	A1: 25 ppm A2: 50 ppm TWA 25 ppm STEL 200 ppm
Hydrogen Sulfide (H ₂ S)	0 - 100 ppm	0.5 ppm	A1: 5.0 ppm A2: 30.0 ppm TWA 1.0 ppm STEL 5.0 ppm
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
		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	High Voltage Lamp	0 - 1,000 ppm	0.1 ppm A1: 400 ppm A2: 1,000 ppm
IR Sensors			
Carbon Dioxide (CO ₂)	0 - 10,000 ppm	25 ppm	A1: 5,000 ppm A2: N/A
	0 - 10% Vol.	0.2%	A1: 0.5% A2: 3.0%
Methane (CH ₄)	0 - 100% LEL/ 0 - 100% Vol.	1% LEL/ 0.5% Vol.	A1: 10% LEL N/A
Hydrocarbons	0 - 100% LEL/ 0 - 30% Vol.		A2: 50% LEL N/A
Toxics (EC Sensors)			
Ammonia (NH ₃)	0 - 400 ppm	0.5 ppm	A1: 25 ppm A2: 50 ppm
Chlorine (Cl ₂)	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 (NO ₂)	0 - 20.0 ppm	0.05 ppm	A1: 3 ppm A2: 6 ppm
Sulfur Dioxide (SO ₂)	0 - 99.9 ppm	0.05 ppm	A1: 2 ppm A2: 5 ppm

Common Specifications			
Alarm Types	Gas alarm	Man-down	Trouble
	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, 40 foot hose length. Consult factory for longer lengths.		
Display	Digital LCD, autobacklite, peak bar display, auto display rotation, and customize order of gases		
Audible Alarm	95 dB at 1 foot		
Languages	English, Spanish, French, German, Italian Japanese, Korean, Portuguese, Russian		
Continuous Operation	14 hours on Lithium-ion battery pack. Complete recharge in 3 hrs. 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 ion 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 :Class 1, Div. 1, Groups A, B, C, D. Ex ia IIC T4 Ga Others: CE Marking		
Standard Features	2 Smart sensor 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 • Tapered 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 sensors (two months for 11.7 eV PID)		

Specifications subject to change without notice



Sensor Technologies

Smart Sensors

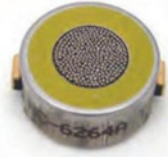
Electrochemical (ESS-03DH-XXX) 		
Toxics		
Gas	Range	Accuracy
Ammonia (NH ₃)	0 - 400 ppm	± 10% of reading or ± 5% of full scale (†)
Chlorine (Cl ₂)	0 - 10 ppm	
Hydrogen Cyanide (HCN)	0 - 15 ppm	
Nitrogen Dioxide (NO ₂)	0 - 20.0 ppm	
Sulfur Dioxide (SO ₂)	0 - 99.9 ppm	
Monitor a wide variety of toxic gases. Smart plug and play sensors are auto recognized and can be remotely calibrated.		

Photo ionization Detection (PID Lamp) 		
VOC's		
Gas	Range	Accuracy
10.6 eV 600 VOC's	0 - 50,000 ppb	± 10% of reading, ± 1 digit
	0 - 6,000 ppm	
10.0 eV Benzene Specific 300 VOC's	0.1 - 50 ppm	
	0 - 100 ppm	
11.7 eV High Voltage Lamp	0 - 1,000 ppb	
Monitor low ppm VOC gases.		

Infrared (DES-3311-1/-2/-3/-4)				CO2 CH4 HC
Gas	P/N	Range	Accuracy	± 5% of reading or ± 2% of full scale (†)
Carbon Dioxide (CO ₂)	-4	0 - 10,000 ppm		
	-1	0 - 10 % Vol.		
Methane (CH ₄)	-3	0 - 100% LEL 0 - 100% Vol.		
Hydrocarbons	-2	0 - 100% LEL 0 - 30% Vol.		
Monitor combustible gases in inert environments. Monitor wide range of CO ₂ .				



Standard 4 Gas

Catalytic (NC-6264A) 		
LEL		
Gas	Range	Accuracy
Hydrocarbons (CH ₄) standard	0 - 100% LEL	± 5% of reading or ± 2% of full scale (†)
	Leak Check 0 - 500 / 1,000 / 2,000 / 5,000 ppm (CH ₄)	± 5% of reading or ± 2% LEL (LEL mode only) (†)
Methane is the standard configuration. Other combustible gases available.		

Galvanic (OS-BM2) 		
O ₂		
Gas	Range	Accuracy
Oxygen (O ₂)	0 - 40% Vol.	± 0.5% O ₂
A specific electrochemical sensor for oxygen monitoring.		

Standard Electrochemical		
ES-1821		ES-1827i
CO		H ₂ S
		
Gas	Range	Accuracy
Carbon Monoxide (CO)	0 - 500 ppm	± 5% of reading
Hydrogen Sulfide (H ₂ S)	0 - 100 ppm	± 2 ppm (†)
Extra long-life CO and H ₂ S sensors.		



CONFINED SPACE ENTRY

- Monitor LEL, O₂, CO, and H₂S
- Internal sample pump
 - ◊ Pull samples up to 40'
 - ◊ Maintain steady sample flow to sensors
- Audible, visual and vibration alarms
 - ◊ 3 Ways to communicate with workers
- Ideal for refinery applications
- Man down alarm
- Panic alarm
- Optional sensors for toxic gases and VOCs



VOC MONITORING

- Four PID sensors are available
 - ◊ 10.0 eV
 - ◊ 10.6 eV (low or high range)
 - ◊ 11.7 eV
- PID library of over 600 VOCs (10.6 eV lamp)
- Any combination of two PID sensors can be installed.
- Easily switch target VOC from user or recent used list
- Benzene-specific version is available
- Pre filter tube for detecting low levels of benzene.



LEAK INVESTIGATION

- Provides ppm detection of combustible gas
- Leak check with changing blink / pulsing rate
 - ◊ LED's and alarm tones increase in frequency as gas concentration increases
- Leak check mode displays both CO & combustible levels
- Audible alarm silence
 - ◊ Perform leak investigations without alarming residents
- Barhole mode for tracking leak migration



FIRE INDUSTRY

- Monitor low ppm levels of dangerous gases like ammonia, hydrogen sulfide, and carbon monoxide commonly found in methamphetamine labs
- Simultaneously monitor typical confined space hazards like LEL combustibles, oxygen deficiency, carbon monoxide and hydrogen sulfide
- Find trace levels of flammables in arson investigation
- Detect carbon monoxide leaks, air quality, or strange odors confidently
- Man down alarm



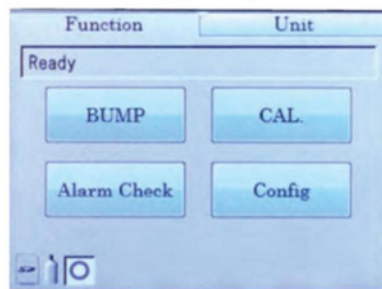
Calibration Station

SDM-6000



Modular design — one power source for all stations

Connect up to 6 cylinders with the SV-3 solenoid valve



- Stand-alone station (no PC Required)
- Charge, calibrate, bump test, and alarm test
- Included software collects calibration, bump test, alarm history, and exposure date from instruments
- Automatically power instruments on / off for scheduled calibration
- Configure GX-6000 parameters

Optional Accessories



Bundles with instrument, carrying case, & accessories

Benzene tube tube holder



Hose length up to 40'



Flexible probe

