



GX-6000

6 Gas With PID IR & Super Toxics

5 Operating Modes

Smallest 6 gas sample draw

PID library of over 600 VOC's

2 Interchangeable smart sensor slots





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GX-6000

5 Operating modes

- Normal
- Leak Check
- Inert
- Bar hole
- Snap Log

Monitor up to 6 gases:

LEL, O₂, H₂S, CO

2 Smart sensor slots

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

PID Library of more than 600 VOC's

- 50 ppm / 6,000 ppm ranges
- Easily choose a target VOC
 - User defined VOC list of 30
 - Recently used VOC list last 8

LED Flashlight

- On demand light source

Glove friendly glow in the dark buttons

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



Smallest 6 gas sample draw

- Light weight and ergonomic
- High impact rubber boot
- Ergonomic design fits comfortably in hand

Alarm

- 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

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

Custom unit identification

- User and station ID selection menu
- Assign multiple users to select within one instrument

Weather & dust resistant

- IP 67

201mm

60mm



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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			
VOC	0 - 50,000 ppb	1 ppb: (< 5,000 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
IR Sensors			
Carbon Dioxide (CO ₂)	0 - 10,000 ppm 0 - 5% Vol.	25 ppm 0.2%	A1: 5,000 ppm TWA 5,000 ppm STEL 10,000
Methane (CH ₄)	0 - 100% LEL/ 0 - 100% Vol.	Vol. 1% LEL/ 0.5% Vol	A1: 10% LEL
Hydrocarbons	0 - 100% LEL/ 0 - 30% Vol.		A2: 50% LEL
Toxics (EC Sensors)			
Ammonia (NH ₃)	0 - 400 ppm	5 ppm	A1: 25 ppm A2: 50 ppm
Chlorine (Cl ₂)	0 - 10 ppm	0.1 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 - 9 ppm	0.05 ppm	A1: 3 ppm A2: 6 ppm
Sulfur Dioxide (SO ₂)	0 - 6 ppm		A1: 2 ppm A2: 5 ppm

Specifications subject to change without notice

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 ft.		
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: 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	<ul style="list-style-type: none"> • Rubber boot • Hand strap • Probe with hydrophobic & dust filter 3' teflon lined hose • Belt clip • Tapered nozzle 		
Optional Accessories	<ul style="list-style-type: none"> • SDM-6000 calibration station • Bundles with instrument carrying case and accessories • Flexible probes • Filter set • Up to 40 foot sample hoses • IrDA cable 		
Warranty	Two years material (including sensors) and workmanship. One year for PID sensor		



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SENSOR TECHNOLOGY


Smart Sensor Features

- Riken Keiki Smart Sensors retain their calibration data so can be interchanged easily by the user :
- The Riken Keiki GX-6000 is unique in allowing 2 x PID sensors to be used one instrument at the same time

Smart Toxic Sensors

Standard 4 Gas


Smart Electrochemical (ESS-03DH-XXX)



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 - 9 ppm	
Sulfur Dioxide (SO ₂)	0 - 6 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)



Gas	Range	Accuracy
Volatile Organic Compound (VOC)	0 - 50 ppm 0 - 6,000 ppm	± 5% of full scale

Monitor low ppm VOC gases.

Infrared (DES-3311-1/-2)




Gas	Range	Accuracy
Carbon Dioxide (CO ₂)	0 - 10,000 ppm* 0 - 5% Vol.	± 5% of reading or ± 2% of full scale (†)
Methane (CH ₄)	0 - 100% LEL 0 - 100% Vol.	
Hydrocarbons	0 - 100% LEL 0 - 30% Vol.	

Monitor combustible gases in inert environments. Monitor wide range of CO₂.




Catalytic (NC-6264A)



Gas	Range	Accuracy
Hydrocarbons (CH ₄ , standard)	0 - 100% LEL	± 5% of reading or ± 2% of full scale (†)
	0 - 500 / 1,000 / 2,000 / 5,000 ppm (CH ₄)	

Methane is the standard configuration. Other combustible gases available.

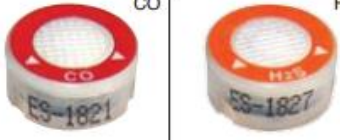
Galvanic (OS-BM2)



Gas	Range	Accuracy
Oxygen (O ₂)	0 - 40% Vol. 0 - 100% Vol.	± 0.5% O ₂

A specific electrochemical sensor for oxygen monitoring.

Standard Electrochemical (ES-1821)



Gas	Range	Accuracy
Carbon Monoxide (CO)	0 - 500 ppm	± 5% of reading ± 2 ppm (†)
Hydrogen Sulfide (H ₂ S)	0 - 100 ppm	

Extra long-life CO and H₂S sensors.

Note: (†) = Whichever is greater



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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
 - ◊ 2 Ways to communicate with workers
- Ideal for refinery applications
- Man down alarm
- Panic alarm
- Optional sensors for toxic gases and VOCs



VOC MONITORING

- PID library of over 600 VOCs
- Robust photo ionization detector (PID)
- Two ranges available,
 - ◊ 0-50,000 ppb or 0-6,000 ppm
- Can be combined with other sensors to maximize capability
- 10.6 ev lamp



LEAK INVESTIGATION

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



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
- Combat carbon monoxide leaks, air quality, or strange odors confidently

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CALIBRATION STATION



SDM-6000



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
- Accepts GX-6000 with or without rubber boot



Bundles with instrument carrying case & accessories



Hose length up to 12m



Flexible probe



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