



REPSS, Inc.
Instrumentation Specialists

6 Gas With PID IR & Super Toxics

GX-6000

5 Operating Modes

Smallest 6 gas sample draw

PID library of over 600 VOC's

2 Interchangeable smart sensor slots



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

2.6"

Specifications

Gases & Detectable Ranges			
Gas	Measuring Range	Minimum Display	Alarm Set Points
Catalytic			
Hydrocarbons (CH4, std)	0 - 100% LEL	1% LEL	A1: 10%LEL
			A2: 50%LEL
Galvanic			
Oxygen (O2)	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 (H2S)	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 (CO2)	0 - 10,000 ppm 0 - 5% Vol.	25 ppm 0.2%	A1: 5,000 ppm
			TWA 5,000 ppm
			STEL 10,000
Methane (CH4)	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 (NH3)	0 - 400 ppm	5 ppm	A1: 25 ppm
			A2: 50 ppm
Chlorine (Cl2)	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 (NO2)	0 - 9 ppm	0.05 ppm	A1: 3 ppm
			A2: 6 ppm
Sulfur Dioxide (SO2)	0 - 6 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, autbacklite, 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 Belt clip Hand strap Tapered nozzle Probe with hydrophobic & dust filter 3' teflon lined hose 		
Optional Accessories	<ul style="list-style-type: none"> SDM-6000 calibration station Bundles with instrument carrying case and accessories Flexible probes Up to 40 foot sample hoses Filter set IrDA cable 		
Warranty	Two years material (including sensors) and workmanship. One year for PID sensor		

Specifications subject to change without notice

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Smart Toxic Sensors

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.

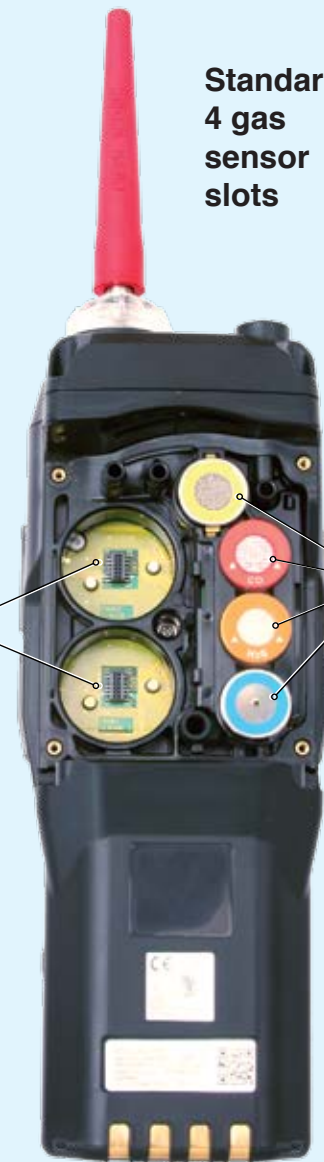
Infrared (DES-3311-1/-2)



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.

Standard
4 gas
sensor
slots



Smart
sensor
slots

Note: (†) = Whichever is greater

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 (†)
	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)



O₂

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)



CO



H₂S

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.



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

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

Optional Accessories



Bundles with instrument carrying case & accessories



Hose length up to 40'



Flexible probe



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