



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
- Supports dual PID sensors
- 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, 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

The RKI GX-6000 is a versatile handheld gas detector capable of monitoring up to six gases simultaneously. Uniquely, it supports dual PID sensors, allowing the installation of two photoionization detectors within a single unit—an industry first. Users can combine a broad-range 10.6 eV PID sensor with a benzene-specific 10.0 eV sensor, facilitating both general VOC detection and targeted benzene analysis without equipment changes. The GX-6000 features a library of over 600 VOCs, customizable favorites, and recent gas lists for quick access. Additional features include a strong internal pump, man-down and panic alarms, LED flashlight, and a rugged IP-67 rated design, ensuring reliability in demanding environments.

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

RKI Instruments, Inc. • 33248 Central Ave. Union City, CA 94587 • Phone (800) 754-5165 • (510) 441-5656 • Fax (510) 441-5650

World Leader In Gas Detection & Sensor Technology
www.rkiinstruments.com

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 - 40,000 ppb	1 ppb: (< 5000 ppb) 10 ppb: (> 5,000 ppb)	A1: 5,000 ppb A2: 10,000 ppb	± 10% of reading, ± 1 digit
		0 - 4,000 ppm	0.1 ppm: (< 600 ppm) 1 ppm: (> 600 ppm)	A1: 400 ppm A2: 1,000 ppm	
10.0 Lamp	Benzene Specific	0.01 - 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 - 100 ppm	0.1 ppm	A1: 5 ppm	
				A2: 10 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	± 5% of reading or ± 5 ppm
				A2: 50 ppm	
				TWA 25 ppm	
				STEL 200 ppm	
Hydrogen Sulfide (H2S)		0 - 100.0 ppm	0.5 ppm	A1: 5.0 ppm	± 5% of reading or ± 2 ppm
				A2: 30.0 ppm	
				TWA 1.0 ppm	
				STEL 5.0 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	
Phosphine (PH3)		0 - 20.00 ppm	0.01 ppm	A1: 0.30 ppm A2: 1.00 ppm	
Sulfur Dioxide (SO2)		0 - 99.90 ppm	0.05 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	± 5% of reading or ± 2% LEL
				A2: 50%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, 100 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> SDM-6000 calibration station Bundles with instrument carrying case and accessories Flexible probes Up to 100 foot sample hoses Filter set IrDA cable 		
Warranty	Two years material (including sensors) and workmanship. One year for Cl2, and PID sensors (Two months for 11.7 eV lamp)		

