



# 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](http://www.rkiinstruments.com)

Gases & Detectable Ranges						Common Specifications				
Gas		Measuring Range	Reading Increment	Alarm Set Points	Accuracy (which ever is greater)	Alarm Types	Gas alarm	Man-down	Trouble	
PID Sensors							Low and high adjustable	1st - self reset 2nd - latching	Low flow Sensor connection Low battery Circuit error Calibration range	
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		± 10% of reading, ± 1 digit				
	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	± 10% of reading, ± 1 digit					
				A2: 10 ppm						
Galvanic						Sample Method	Sample draw pump, flow rate 0.45 LPM, 100 foot sample range			
Oxygen (O2)							Display	Digital LCD, autobacklight, peak bar display, auto display rotation, and customize order of gases		
Electro Chemical						Audible Alarm		95 dB at 1 ft.		
Carbon Monoxide (CO)							Continuous Operation	English, Spanish, French, German, Italian, Japanese, Korean, Portuguese, Russian		
Hydrogen Sulfide (H2S)						Operating Temp. & Humidity		14 hours on Lithium-ion battery pack. Complete recharge in 3 hours. 8 hours Alkaline battery pack (3 AA size within each pack)		
Toxics (EC Sensors)							Dimensions	-4°F to 122°F (-20°C ~ +50°C), 0- 95% RH non condensing		
Ammonia (NH3)						Case Material		2.6" W x 7.8" H x 2" D (H200 x W68 x D52 mm) 14 ounce (400g) (with lithium battery pack)		
Chlorine (Cl2)							Safety Design / Approvals	Dust and water resistant with IP-67 approval (exclude sample hose and probe)		
Hydrogen Cyanide (HCN)						Standard Features		Explosion proof: IECEx , ATEX , TIIS , cCSAus Explosion class :Ex ia IIC T4 Ga Others: CE Marking		
Nitrogen Dioxide (NO2)							Standard Accessories	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		
Phosphine (PH3)						Optional 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)		
Sulfur Dioxide (SO2)							Warranty	• SDM-6000 calibration station • Bundles with instrument carrying case and accessories • Flexible probes • Up to 100 foot sample hoses • Filter set • IrDA cable		
IR Sensors						Warranty		Two years material (including sensors) and workmanship. One year for Cl2, and PID sensors (Two months for 11.7 eV lamp)		
Carbon Dioxide (CO2)							Warranty	Two years material (including sensors) and workmanship. One year for Cl2, and PID sensors (Two months for 11.7 eV lamp)		
Methane (CH4)						Warranty		Two years material (including sensors) and workmanship. One year for Cl2, and PID sensors (Two months for 11.7 eV lamp)		
Hydrocarbons							Warranty	Two years material (including sensors) and workmanship. One year for Cl2, and PID sensors (Two months for 11.7 eV lamp)		
Catalytic						Warranty		Two years material (including sensors) and workmanship. One year for Cl2, and PID sensors (Two months for 11.7 eV lamp)		
Hydrocarbons (CH4, std)							Warranty	Two years material (including sensors) and workmanship. One year for Cl2, and PID sensors (Two months for 11.7 eV lamp)		
Hydrocarbons (CH4, std)						Warranty		Two years material (including sensors) and workmanship. One year for Cl2, and PID sensors (Two months for 11.7 eV lamp)		

