RKI INSTRUMENTS

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 Interchangable smart sensor slots

RKI GX-6000

CH4	0	%LEL
O2	20.9	%
H2S	0.0	ppm
CO	0	ppm
VOC	0	ppm
HCN	0	ppm

5:09

DISP / LOCK

AIR

RESET

SHIFT (PANIC)

POWER/ENTER

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

7.87"

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)

Gas	Measuring Range	Minimum Display	Alarm Set Points	
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

Specifications subject to change without notice

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, 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 , (CSA) pending 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	• Rubber boot • Belt clip • Hand strap • Tapered nozzle • Probe with hydrophobic & dust filter 3' teflon lined hose		
Optional Accessories	• 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		

Sensor Technologies

Smart Toxic Sensors

Standard 4 Gas

Smart Electrochemical (ESS-03DH-XXX)

Gas	Range	Accuracy
Ammonia (NH$_3$)	0 - 400 ppm	
Chlorine (Cl$_2$)	0 - 10 ppm	± 10% of reading or ± 5% of full scale (†)
Hydrogen Cyanide (HCN)	0 - 15 ppm	
Nitrogen Dioxide NO2	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.	

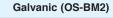Monitor combustible gases in inert environments. Monitor wide range of CO$_2$.

Standard 4 gas sensor slots

Smart sensor slots

Note: (†) = Whichever is greater

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)

O$_2$

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   H$_2$S

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 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
    - ◊ *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

RKI Instruments, Inc.

Calibration Station

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

SDM-6000

- 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

Hose length up to 40'

Flexible probe

Bundles with instrument carrying case & accessories

Authorized Distributor:

Toll Free: (800) 754-5165 • Phone: (510) 441-5656
www.gx6000.com

RKI INSTRUMENTS

World Leader In Gas Detection & Sensor Technology