Technical Data Sheet

GX-6000 PID Gas Monitor by RKI Instruments

Brand / manufacturer	RKI Instruments
Product category	Gas Monitor
Product codes	SKU: 72-6ABX-C

Product description

RKI Instruments GX-6000 PID gas monitor (72-6ABX-C: LEL / O2 / H2S / CO / VOCs 0–6,000 ppm PID, with Li-ion battery pack and 100–240 VAC charger): simultaneously monitors up to 6 gases.

Key benefits

- Standard 4 confined-space gases (combustibles, O2, CO, H2S) plus 2 interchangeable smart channels for PID, IR or super-toxic sensors
- Smallest 6-gas sample-draw monitor, with strong internal sample pump
- 4 PID options: 10.0 eV, 10.6 eV (low or high range) and 11.7 eV lamps; any two can be installed; humidity resistant
- PID library of over 600 VOCs, with a 30-gas favourites list and 8 recently used
- Benzene-specific version using a pre-filter tube for low benzene levels
- Operating modes: Normal, Barhole, Inert, Leak Check (ppm), Snap Log and Benzene Specific
- Man-down and panic alarms; 5 bright LEDs on 3 sides, vibration and loud audible alarm
- LED flashlight; large auto-rotating LCD with peak-bar display
- LEL sensor protection mode
- Rugged, lightweight IP-67 design with removable impact-resistant rubber boot
- Interchangeable battery packs; operates up to 14 hours
- Field-replaceable sensors, batteries, filters and pump
- Intrinsically safe ATEX / IECEx / cCSAus

Specifications

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 – 50,000 ppb	1 ppb: (< 5000 ppb) 10 ppb: (> 5,000 ppb)	A1: 5,000 ppb	± 10% of reading, ± 1 digit
A2: 10,000 ppb					

Prepared by Russmill Safety from publicly available manufacturer information and our product listing. This is not the manufacturer’s original publication. For legally required safety data, use the manufacturer’s official Safety Data Sheet.

0 – 6,000 ppm	0.1 ppm: (< 600 ppm) 1 ppm: (> 600 ppm)	A1: 400 ppm			
A2: 1,000 ppm					
10.0 Lamp	Benzene Specific	0.1 – 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 – 1000 ppm	0.1 ppm	A1: 400 ppm	
A2: 1,000 ppm					
Galvanic					
Oxygen (O2)	0 – 40.0% Vol.	0.1% Vol.	A1: 19.5 Vol.	± 0.5% O2	
A2: 23.5 Vol.					
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	± 10% of reading or ± 5% of full scale	
A2: 50 ppm					
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					
Sulfur Dioxide (SO2)	0 – 99.90 ppm	A1: 2 ppm			
A2: 5 ppm					
IR Sensors					
Carbon Dioxide (CO2)	0 – 10,000 ppm	20 ppm	A1: 5,000 ppm	± 5% of reading or ± 2% of full scale	
TWA 5,000 ppm					
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			
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, 50 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	• 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	• SDM-6000 calibration station • Bundles with instrument carrying case and accessories • Flexible probes • Up to 50 foot sample hoses • Filter set • IrDA cable		
Warranty	Two years material (including sensors) and workmanship. One year for PID sensor (Two monthsfor 11.7 eV lamp)		

Information source

Russmill Safety product listing — https://www.russmillsafety.com/products/gx-6000-pid-gas-monitor-by-rki-instruments (listing notes product information supplied by the manufacturer, RKI Instruments)

Supplier / distributor contact

Supplier / distributor	Russmill Safety
Store	A1 Queen’s Highway, Suite 2–3, Freeport, Grand Bahama F42190, The Bahamas
USA warehouse (fulfilment)	1526 NW 23rd Avenue, Fort Lauderdale, FL 33311
Phone	Bahamas customer service +1 242 351 7623 · USA +1 954 333 8542 · Freeport store +1 242 688 3336
Email	customerservice@russmillsafety.com (customer service) · sales@russmillsafety.com (sales enquiries)
Website	https://www.russmillsafety.com