GX-6000 Benzene

RKI GX-6000

BNZ
0.15 ppm
MEASURING
EXIT : RESET
5   45 SEC

Features

- **Benzene specific measurement**
  - — 0.01 - 50 ppm with 10.0 eV PID lamp and pre-filter tube
- **Benzene Select Mode takes timed samples using pre-filter tube**
- **Benzene Filter Tube Holder**
  - — Break away design prevents accidental damage
  - — Safe & convenient glass breaker built-in
- **Long break through times for Benzene filter tubes**
- **4 PID options: 10.6 eV (2 ranges), 10.0 eV, and 11.7 eV lamps**
  - — 50,000 ppb / 6,000 ppm ranges
  - — Library of over 300 VOC's including BTEX
  - — Humidity resistant
- **Easily switch VOC target gas**
  - — Favorite list of 30 VOC's
  - — Recently used list of 8 VOC's
- **Available with both 10.0 & 10.6 PID sensors**
- **Monitor up to 6 gases**
- **2 smart sensor slots auto recognize PID, IR, and super toxic sensors**
- **Internal sample pump**
- **Dust & Water resistant IP-67 design**
- **Interchangeable battery packs Li-ion / alkaline**
- **Operates up to 14 hours on Li-ion battery pack, fully recharges in 3 hours**

Applications

- **Petroleum / Oil refining**
- **Chemical manufacturing**
- **Rubber & Tire manufacturing**
- **Coke & Coal manufacturing**
- **Fuel Storage & Tank Farms**
- **Hazmat response teams**

The GX-6000 is a game changer and it just changed the game again with the Benzene Specific measuring mode. With the addition of the selective 10.0 eV PID sensor, the GX-6000 can now detect the BTEX family of VOC's including benzene, toluene, ethylbenzene, and xylene with a range of 0 – 100 ppm and a library of over 300 VOC's. By using the PID pre-filter tubes and the filter tube holder, the GX-6000 can specifically monitor for benzene at a range of 0.01 – 50 ppm by filtering out all other VOC's. The filter tube holder has a unique break away design to avoid accidental damage if impacted or dropped. The filter tube holder also includes a safe and convenient glass breaker for the filter tube tips.

The GX-6000 has two PID sensors available, a 10.6 eV and a 10.0 eV, to use in either of its two smart sensor slots. The GX-6000 is the only PID instrument on the market with the ability to have two PID sensors functioning in one instrument. Use the broad range 10.6 eV PID sensor for preliminary investigation, then switch to benzene mode for a highly specific measurement.

Selecting among the hundreds of VOC target gases is simple. Use the GX-6000's user defined list to create a custom list of up to 30 commonly used target gases, or simply use the recently used list, which holds the 8 most recent target VOC's in its memory. Equipped with a strong internal sample pump, a man-down alarm, a panic alarm, an LED flashlight, and large auto rotating LCD display. This GX-6000 model comes with a library of over 600 VOC gases to choose from the 10.6 eV sensor.

SDM-6000 Calibration Station

Gases & Detectable Ranges

Gas		Measuring Range	Reading Increment	Alarm Set Points	Accuracy (whichever is greater)
PID Sensors					*Smart Sensors*
10.6 Lamp	600 VOC's	0 - 50,000 ppb	1 ppb: (< 5000 ppb) 10 ppb: (> 5,000 ppb)	A1: 5,000 ppb A2: 10,000 ppb	± 10% of reading or ±Ã⃰%Ã¾ &^{ ^} c , @&@ ç^¦Ã¾Ã greater
		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	High Voltage Lamp	0 - 1,000 ppm	0.1 ppm	A1: 400 ppm A2: 1,000 ppm	
Toxics (EC Sensors)					*Smart 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	
Sulfur Dioxide (SO2)		0 - 99.90 ppm		A1: 2 ppm A2: 5 ppm	
IR Sensors					*Smart 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 STEL: 3.00% Vol	
Methane (CH4)		0 - 100% LEL 0 - 100% Vol.	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 A2: 50%LEL	± 5% of reading or ± 2% LEL
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 A2: 50 ppm TWA: 25 ppm STEL: 200 ppm	± 5% of reading or ± 5 ppm
Hydrogen Sulfide (H2S)		0 - 100.0 ppm	0.5 ppm	A1: 5.0 ppm A2: 30.0 ppm TWA: 1.0 ppm STEL: 5.0 ppm	± 5% of reading or ± 2 ppm

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, 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 40 foot sample hoses • Filter set • IrDA cable		
Warranty	Two years material (including sensors) and workmanship. One year for PID sensor		

RKI INSTRUMENTS

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