



RIKEN KEIKI

## GX-6000 BENZENE SPECIFIC DETECTOR



### 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
- 10.0 eV Selective PID sensor  
0 - 100 ppm VOC range  
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
- Dual channel PIDs utilizing both 10.0 & 10.6 PID sensors
- 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 on 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 a broad range of 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 10.6 eV sensor.

*SDM-6000 Calibration Station*





RIKEN KEIKI

# GX-6000

PID Sensors			
Gas	Measuring Range	Reading Increment	Alarm Set Points
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
	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 (By using pre-filter tube)	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

Common Specifications			
Alarm Types	Gas alarm	Man-down	Trouble
	Low and high adjustable	1st - Resettable by movement or button press 2nd - Resettable by movement or button press 3rd - Must press button to reset	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, auto backlight, 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 for 10.6 eV lamp, 300 VOC's for 10.0 eV lamp 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		
Standard Accessories	<ul style="list-style-type: none"> <li>• Rubber boot</li> <li>• Hand strap</li> <li>• Probe with hydrophobic &amp; dust filter 3' teflon lined hose</li> <li>• Belt clip</li> <li>• Tapper nozzle</li> </ul>		
Optional Accessories	<ul style="list-style-type: none"> <li>• SDM-6000 calibration station</li> <li>• Bundles with instrument carrying case and accessories</li> <li>• Flexible probes</li> <li>• Up to 40 foot sample hoses</li> <li>• Filter set</li> <li>• IrDA cable</li> </ul>		
Warranty	Two years material (including sensors) and workmanship. One year for PID sensor		



**Weatherall**  
Equipment & Instruments Ltd

Weatherall Equipment & Instruments Ltd  
Unit 1, Station Approach  
Wendover, Bucks  
HP22 6BN. United Kingdom

T: +44(0)1296 622180  
E: [sales@weatherall-uk.com](mailto:sales@weatherall-uk.com)  
W: [www.weatherall-uk.com](http://www.weatherall-uk.com)

