

# GX-6000 Benzene

## Benzene Personal Detector

- 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
- 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
- Dual channel PIDs utilising both 10.0 & 10.6 PID sensors
- 2 smart sensor slots auto recognise 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 batter, fully recharges in 3 hours
- Humidity resistant
- Easily switched VOC target gas - Favorite list of 30 VOC's  
Recently used list of 8 VOC's
- Various approvals IECEx, ATEX



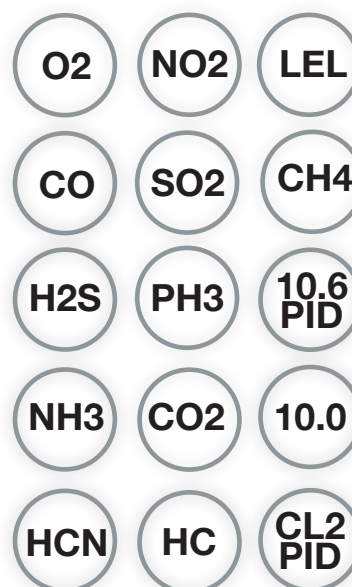
### Overview:

The GX-6000 Benzene personal detector is the lightest and smallest Benzene monitor created, weighing in at only 600 grams with the rubber boot. Simply put, the GX-6000 is a game changer with Benzene Specific measuring mode.



### Applications:

- Petroleum / Oil refining
- Chemical manufacturing
- Rubber & tire manufacturing
- Confined space
- Coke and coal manufacturing
- Fuel Storage & Tank Farms
- Hazmat response teams



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For More  
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Gases & Detectable Gases *No alarms in %Vol. range.					Common Specifications			
Gas	Measuring Range	Minimum Display	Alarm Set Points	Accuracy (which ever is greatest)	Alarm Types	Gas alarm	Man-down	Trouble
Catalytic						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
Hydrocarbons (CH4, std)	0-100% LEL	1% LEL	A1: 5% LEL	± 5% of reading or ± 2% LEL				
			A2: 10% LEL					
Galvanic								
Oxygen (O2)	0-40% Vol.	0-1% Vol.	A1: 19.5 Vol.	± 0.5% O2				
			A2: 23.5 Vol.					
Electrochemical					Display	Digital LCD, autobacklite, peak bar display, auto display rotation, and customize order of gases		
Carbon Monoxide (CO)	0-500 ppm	1 ppm	A1: 30 ppm	± 5% of reading or ± 5 ppm	Audible Alarm	95 dB at 30cm		
			A2: 60 ppm		14 hours on Lithium-ion battery pack. Complete recharge in 3 hours. 8 hours Alkaline battery pack (3 AA size in each pack)			
			TWA: 30 ppm					
			STEL: 60 ppm					
Hydrogen Sulfide (H2S)	0-100 ppm	0.5 ppm	A1: 10 ppm	± 5% of reading or ±2 ppm	Operating Temp. & Humidity	-20°C to +50°C, 0- 95% RH non condensing		
			A2: 15 ppm					
			TWA:10 ppm					
			STEL: 15 ppm					
Toxics (EC Sensors)					Dimensions	68mm W x 200mm H x 52mm D 600g (with lithium battery pack)		
Ammonia (NH3)	0-400 ppm	0.5 ppm	A1: 5,000 ppm	± 10% of reading or ± 5 ppm	Case Material	Dust and water resistant with IP-67 approval (exclude sample hose and probe)		
			TWA: 5,000 ppm		Safety Design / Approvals	Explosion proof: IECEx , ATEX , TIIS , Explosion class : Ex ia IIB T4/T3 Ga -20°C ≤ Ta ≤ +50°C Ex ia IIC T4/T3 Ga -20°C ≤ Ta ≤ +50°C Others: CE Marking		
Chlorine (CL2)	0-10 ppm	0.05 ppm	A1: 0.5 ppm					
			A2: 1ppm					
Hydrogen Cyanide (HCN)	0-15 ppm	0.1 ppm	A1: 0.50% Vol.					
			A2: 3.00% Vol.					
Nitrogen Dioxide (NO2)	0-20 ppm	0.05 ppm	TWA: 0.50% Vol.					
			TWA: 0.50% Vol.					
Sulfur Dioxide (SO2)	0-99.90 ppm		A1: 5% LEL					
IR Sensors					Accessories:			
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% Vol.	0.02%	A1: 0.5-% Vol.					
			A2: 3.00% Vol.					
TWA: 0.50% Vol.								
		STEL: 3.00% Vol.						
Methane (CH4)	0-100% LEL 0-100% Vol.	Vol. 1% LEL / 0.5% Vol.	A1: 5% LEL					
Hydrocarbons (HC)	0-100% LEL 0-30% Vol.		A2: 10% LEL					
PID Sensors					Docking Station SDM-6000			
600 VOC	0-50,000 ppb	1 ppb (<5,000 ppb) !0 ppb: (>5,000 ppb)	A1: 55,000 ppb	± 10% of reading ± 1 increment whichever is greater				
			A2: 10,000 ppb					
	0,6000 ppm	0.1 ppm: (< 600 ppm) 1 ppm: (> 600 ppm)	A1: 50 ppm					
			A2: 100 ppm					
TWA: 50 ppm								
		STEL : 100 ppm						
Benzene Specific	0.1 - 50 ppm	0.01 ppm ( 0 ~ 10 ppm) 0.1 ppm (10 ~ 50 ppm)	No alarms		Benzene filter tube holder			
300 VOC	0-100 ppm	0.1 ppm (0 ~ 10 ppm) 0.1 ppm (10 ~ 50 ppm)	A1: 5 ppm A2: 10 ppm					
					A manual sampling pump to precisely collect a sample volume for a detector			
					Benzene pre-filter tube			
					Soda lime for CO2 zero Charcoal filter for PID zero			

