

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

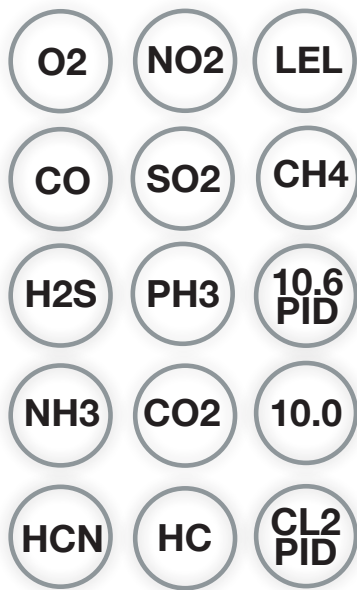
Overview

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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Gases & Detectable Gases *No alarms in %Vol. range.				
Gas	Measuring Range	Minimum Display	Alarm Set Points	Accuracy (which ever is greatest)
Catalytic				
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				
Carbon Monoxide (CO)	0-500 ppm	1 ppm	A1: 30 ppm	± 5% of reading or ± 5 ppm
			A2: 60 ppm	
			TWA: 30 ppm	
			STEL: 60 ppm	
Hydrogen Sulfide (H2S)	0-100 ppm	0.5 ppm	A1: 10 ppm	± 5% of reading or ±2 ppm
			A2: 15 ppm	
			TWA:10 ppm	
			STEL: 15 ppm	
Toxics (EC Sensors)				
Ammonia (NH3)	0-400 ppm	0.5 ppm	A1: 5,000 ppm	± 10% of reading or ± 5 ppm
			TWA: 5,000 ppm	
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				
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.	
Methane (CH4)	0-100% LEL 0-100% Vol	Vol. 1% LEL / 0.5% Vol	A1: 5% LEL	
			A2: 10% LEL	
Hydrocarbons (HC)	0-100% LEL 0-30% Vol			
PID Sensors				
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	
300 VOC	0-100 ppm	0.1 ppm: (0 ~ 10 ppm) 0.1 ppm: (10 ~ 50 ppm)	A1: 5 ppm A2: 10 ppm	

Specifications

Common Specifications			
	Gas alarm	Man-down	Trouble
Alarm types	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 15 meter sample range		
Display	Digital LCD, autobacklite, peak bar display, auto display rotation, and customize order of gases		
Audible alarm	95 dB at 30cm		
Continuous operation	14 hours on Lithium-Ion battery pack Complete recharge in 3 hours 8 hours Alkaline battery pack (3 AA size in each pack)		
Operating temperature and humidity	-20°C to +50°C, 0- 95% RH non-condensing		
Dimensions	68mm W x 200mm H x 52mm D 600g (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 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		

Accessories

Docking Station SDM-6000

A versatile docking station that automates the service of a GX-6000 Benzene



Benzene filter tube holder

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

