6 Gas, Sample Draw With PID, IR & Super Toxic Sensors

Gas Detection For Life

GX-6100

Features

- Smallest 6 gas sample draw detector
- New 4-gas sensors with up to 3-year warranty
- 2 Interchangeable smart sensor slots
- TE sensor for %volume measurement of combustibles
- New ppm MOS CH4 and ppm MOS i-C4H10 sensors
- 4 PID options: 10.6 (2 ranges) eV, 10.0 eV, and 11.7 eV lamps
- Supports dual PID sensors
- PID library of over 600 VOCs
- Rapid sharing of emergency alerts via Bluetooth®
- Benzene specific version
- PPM Leak Check mode
- LEL sensor protection mode
- Man-down alarm & Panic alarm
- Auto display rotation
- Peak-bar display
- LED Light source
- Internal sample pump
- Light weight, small, rugged IP-67 design
- Interchangeable battery packs (Li-ion / alkaline)
- Operates up to 28 hours on Li-ion battery pack, 8 hours operation with alkaline pack
- Field replaceable sensors, batteries, filters and pump
- Intrinsically safe ATEX / IECEx / cCSAus (pending)

Applications

- Confined space entry
- Hazmat response teams
- Arson investigation
- Remediation sites
- Perimeter monitoring
- Leak detection
- Landfill monitoring
- Wing tank entry

The GX-6100 is a powerful hand-held instrument capable of simultaneously monitoring up to 6 gases. In addition to the standard 4 confined space gases which include combustibles, O2, CO, & H2S, the GX-6100 has 2 additional smart channels that accept PID, PPM, IR or super toxic sensors. The updated GX-6100 can measure combustible gases in PPM range and %volume in the same monitor.

Equipped with a strong internal sample pump, a man-down alarm, a panic alarm, an LED flashlight, and large auto rotating LCD display, the GX-6100 can operate as a single gas PID unit or a multifunctional tool utilizing all 6 channels. The GX-6100 with a PID sensor will come equipped with a library of over 600 VOC gases to choose from as standard. Choosing from the library is easy with a personalized favorites list of 30 commonly used VOC's as well as a list of 8 of the most recently used VOC's. A benzene-specific version is available using a pre-filter tube for detecting low levels of benzene. Four PID sensors are available, 10.0 eV, 10.6 eV (low or high range), and 11.7 eV. Any combination of two PID sensors can be installed. GX-6100 PID sensors are also resistant to humidity.

The GX-6100 has a rugged design built for the nastiest environments. It is equipped with a removable impact-resistant rubber boot and a dust and water resistant enclosure with an IP-67 rating. With 5 bright LED lights on 3 sides of the instrument, alarms are easily seen from a variety of perspectives. With vibration and loud audible alarm, GX-6100 will easily alert users when needed.

GX-6100

Gases & Detectable Ranges

	Gas	Detection Range	Reading Increment	Alarm Set Points	Accuracy
PID Sensors					
10.6 Lamp	600 VOC's	0 - 40,000 ppb	1 ppb: (< 5000 ppb) 10 ppb: (> 5,000 ppb)	A1: 5,000 ppb A2: 10,000 ppb A3: 10,000 ppb	± 10% of reading, ± 1 digit
		0 - 4,000 ppm	0.1 ppm: (< 600 ppm) 1 ppm: (> 600 ppm)	A1: 400 ppm A2: 1,000 ppm A3: 1,000 ppm	
10.0 Lamp	Benzene Specific	0 - 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 A3: 10 ppm	
11.7	High Voltage Lamp	0 - 1,000 ppm	0.1 ppm (0 ~ 100 ppm) 1 ppm (100 ~ 1,000 ppm)	A1: 400 ppm A2: 1,000 ppm A3: 1,000 ppm	
Electro Chemical R Sensor					
Oxygen (O2)		0 - 40.0% Vol.	0.1% Vol.	A1: 19.5 Vol. A2: 18 Vol. A3: 23.5 Vol.	± 0.5% O2
Carbon Monoxide (CO)		0 - 2,000 ppm	1 ppm	A1: 25 ppm A2: 50 ppm A3: 1,200 ppm TWA 25 ppm STEL 200 ppm	± 5% of reading or ± 5 ppm
Hydrogen Sulfide (H2S)		0 - 200 ppm	0.5 ppm	A1: 5.0 ppm A2: 30.0 ppm A3: 100.0 ppm TWA 1.0 ppm STEL 5.0 ppm	± 5% of reading or ± 2 ppm
Toxics (EC Sensors)					
Ammonia (NH3)		0 - 400.0 ppm	0.5 ppm	A1: 25 ppm A2: 50 ppm A3: 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 A3: 1.0 ppm	
Hydrogen Cyanide (HCN)		0 - 15.0 ppm	0.1 ppm	A1: 5 ppm A2: 10 ppm A3: 10 ppm	
Nitrogen Dioxide (NO2)		0 - 20.00 ppm	0.05 ppm	A1: 3 ppm A2: 6 ppm A3: 6 ppm	
Phosphine (PH3)		0 - 20.00 ppm	0.01 ppm	A1: 0.30 ppm A2: 1.00 ppm A3: 1.00 ppm	
Sulfur Dioxide (SO2)		0 - 99.90 ppm	0.05 ppm	A1: 2 ppm A2: 5 ppm A3: 5 ppm	
Smart Sensors NDIR					
Carbon Dioxide (CO2) NDIR		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. A3: 3.00% Vol. STEL 3.00% Vol. TWA 0.50% Vol.	
Methane NDIR		0 - 100% LEL 0 - 100% Vol.	1% LEL/ 0.5% Vol	A1: 10% LEL A2: 50% LEL A3: 50% LEL	
Isobutane NDIR		0 - 100% LEL 0 - 30% Vol.			
Smart Sensor (hot-wire semiconductor) MOS sensor must be recalibrated after H2S exposure					
Methane		0 - 5,000 ppm	10 ppm	N/A	
Isobutane		0 - 2,000 ppm			
R Sensor (new ceramic type)					
Hydrocarbons (CH4, std)		0 - 100% LEL	1% LEL	A1: 10%LEL A2: 25%LEL A3: 50%LEL	± 5% of reading or ± 2% LEL
TE Sensor (thermal conductivity)					
Methane CH4		0 - 100 vol%	1% vol%	N/A	

Common Specifications

Alarm Types	**Gas alarm**	**Trouble**
	Low and high adjustable	Low flow, Sensor connection, Low battery, Circuit error, Calibration failure
	• Man Down Alarm • Panic Alarm	
Sample Method	Sample draw pump, flow rate 0.45 LPM, 100 foot sample range	
Display	Digital LCD, autobacklight, peak bar display, auto display rotation, and customize order of gases	
Communication	Bluetooth, IrDA	
Audible Alarm	95 dB at 1 ft.	
Languages	English, Japanese, French, Spanish, Portuguese, Italian, German, Russian, Korean, Chinese (simplified), Chinese (traditional), Vietnamese, Slovak, Czech, Turkish, Polish	
Continuous Operation	28 hours on Lithium-ion battery pack. Complete recharge in 6 hours. 8 hours Alkaline battery pack (3 AA size in each pack)	
Operating Temp. & Humidity	-4°F to 122°F (-20°C ~ +50°C), 0- 95% RH non condensing	
Dimensions	2.6" W x 7.9" H x 2.2" D (H200 x W68 x D56 mm) 17.6 ounce (500g) with lithium battery pack 16 ounces with alkaline batteries (450g)	
Case Material	Dust and water resistant with IP-67 approval (exclude sample hose and probe)	
Safety Design / Approvals	Explosion proof: IECEx , ATEX , TIIS , cCSAus (pending) Explosion class :Ex ia IIC T4 Ga Others: CE Marking	
Standard Features	2 Smart sensors slots auto recognize sensor changes Panic alarm and man down alarm 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 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-6100 calibration station • Bundles with instrument carrying case and accessories • Flexible probes • Up to 100 foot sample hoses • Filter set • IrDA cable	
Warranty	Three years material (including R sensors) and workmanship. 2 years for IR sensors and ESS (except Cl2), One year for TE, Cl2 and PID sensors (Two months for 11.7 eV lamp)	