

SINGLE GAS PERSONAL MONITORS - H₂S, CO, LEL & O₂

03 SERIES



Features:

- Detects for Oxygen, Hydrogen Sulphide,, & Carbon Monoxide
- Operates 3,000 hours on alkaline battery (GP-03 operates 35 or 30 hrs on alkaline/Ni-MH)
- Pocket size and weighs only 80 grams
- Impact, dust, and water resistant (IP-67)
- Replaceable rubber boot
- Data log from 5 to 300 hours with adjustable intervals
- Audible / visual / vibration alarms
- Automatic backlight
- Peak Hold, STEL & TWA
- Low battery alarm
- Intrinsically safe, IECEx

Applications:

- Hazardous Material
- Mining
- Tunnels
- Refineries / Petrochemical
- Water / Wastewater Treatment
- Pharmaceuticals
- Utilities
- Chemical Plants
- Fire Services

Individuals need personal protection in hazardous areas at all times without adding extra bulky equipment, and the 03 Series can provide that kind of protection at an affordable price. The GP-03, OX-03, CO-03, and HS-03 models are personal single gas monitors designed for protection from exposure to combustible hydrocarbons (LEL), oxygen deficiency (O₂), hydrogen sulphide (H₂S), or carbon monoxide (CO).

The O₂, CO, and H₂S versions can be operated continuously for at least 3,000 hours on (2) AAA size alkaline batteries. The 03 models have 2 preset alarms that are user adjustable. Each version is also equipped with visual, audible, and vibration alarms as standard.

The replacement sensors are inexpensive, and are interchangeable with other popular Control Equipment Instruments like the GX-2009, and the GX-2012. Sensors for LEL and O₂ have a life expectancy of over 2 years. Sensors for H₂S and CO have a life expectancy of over 3 years. Each 03 Series monitor is impact, dust, and water resistant with an IP-67 rating. 03 Series instruments are safe for use in hazardous locations, classified as intrinsically safe IECEx.

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Model Name	CO-03	HS-03	OX-03
Gas Detected	Carbon Monoxide (CO)	Hydrogen Sulphide (H2S)	Oxygen (O2)
Detection Principle	Electrochemical		Galvanic cell
Detection Range (Increments)	0 – 500 ppm (1 ppm)	0 – 100 ppm (0.5 ppm)	0 – 40%vol. (0.1% vol.)
Alarm Set Points	1st 30 ppm 2nd 60 ppm TWA 30 ppm STEL 60 ppm Over 300 ppm	1st 10.0 ppm 2nd 15 ppm TWA 10.0 ppm STEL 15.0 ppm Over 100.0 ppm	Low 19.5% vol. High 23.5% vol. Over 40.0% vol.
Alarm Types	<ul style="list-style-type: none"> Gas alarms: 1st and 2nd (user adjustable), OVER alarm, STEL and TWA Trouble alarms: Sensor connection, low battery circuit failure, and calibration range error 		
Alarm Methods	<ul style="list-style-type: none"> Gas alarm: Flashing LED's, intermittent buzzer, flashing gas value, and vibration Trouble alarm: Flashing LED's, intermittent buzzer, and display of error message STEL & TWA alarms: Flashing LED's, intermittent buzzer, flashing gas value, and vibration 		
Gas Sampling	Diffusion		
Response Time	T90 in 30 seconds		T90 in 20 seconds (Alarms within 5 seconds when exposed to 12% O2)
Accuracy which ever is greater	± 5% of reading or ± 5 ppm CO	± 5% of reading or ± 2 ppm H2S	± 0.5% O2 CO
Power Options	Alkaline dry cell (2-AAA size)		
Continuous Operation	Alkaline dry cell: more than 3,000 hours (at 25°C, no backlight)		
Safety Rating	IECEX approved		
Dimensions & Weight	54mm x 67mm x 24mm and weighing only 80g		
Display	Digital LCD, gas name & concentration, auto backlighting during alarm, operation icon, battery icon		
Operating Temp. & Humidity	-20°C ~ 50°C, Humidity below 90% RH (non-condensing)		
Standard Accessories	<ul style="list-style-type: none"> Rubber protective boot Alligator clip Data logging software Alkaline batteries Wrist strap 		
Optional Accessories	<ul style="list-style-type: none"> Calibration adapter Charger unit Wrist strap Calibration kit Belt clip Data logging download cable 		
Special Functions	<ul style="list-style-type: none"> Manual backlight for LCD (automatically lit during alarm) Peak hold, STEL & TWA 		
Warranty	2 Year warranty		