Technical Data Sheet

GX-2012 Confined Space Gas Monitor by RKI Instruments

Brand / manufacturer	RKI Instruments
Product category	Gas Monitor
Product codes	SKU: 72-0292-01-B

Product description

RKI Instruments GX-2012 confined space gas monitor (72-0292-01-B: 1 sensor, LEL base, alkaline and Li-ion battery packs with 100–240 VAC charger): multiple tools in one instrument.

Key benefits

- 3 operating modes: Normal (confined space safety monitoring), Leak Check (leak investigation, with ppm leak detector and CO display) and Bar Hole (underground leak checks)
- Monitors ppm/% LEL, % volume methane, O2, CO and H2S; with optional TC sensor measures 0–100% volume methane and auto-ranges from % LEL to % volume, ideal for line purge testing
- RKI's smallest personal 1–5 sensor monitor with built-in sample pump (up to 50 ft); weighs only 12.3 oz
- Large LCD shows all gas readings, battery level and time; automatic backlight in alarm
- Vibration, visual and audible alarms, latching or non-latching; visual/audible pulses change with gas concentration
- Continuous self-checks for sensor connections, low battery, circuit trouble, low flow and calibration errors
- Interchangeable Li-ion or alkaline battery packs, replaced without tools
- Intrinsically safe, ATEX/IECEx/CE or CSA/CE (optional)

Specifications

Gas Detected	Combustible Gases (Methane as standard)	% Volume Methane	Oxygen (O2)	Hydrogen Sulfide (H2S)	Carbon Monoxide (CO)
Detection Principle	Catalytic combustion	Thermal conductivity	Galvanic cell	Electrochemical cell	
Detection Range	0 ~ 100% LEL 0 ~ 500 / 1,000 / 2,000 / 5,000 ppm	0 ~ 100% Vol.	0 ~ 40% Vol.	0 ~ 100 ppm (optional 0-500 ppm)	0 ~ 500 ppm
Accuracy Statement (whichever is greater)	± 5% of reading or ± 2% LEL(LEL mode only)	± 5% of reading or ± 2% of full scale	± 0.5% O2	± 5% of reading or ± 2 ppm H2S	± 5% of reading or ± 5 ppm CO

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Sampling Method	Internal sample pump, flow rate nominal 0.5 LPM, includes hydrophobic filter				
Display	Digital LCD with 7 segments, auto backlight during alarm				
Preset Alarms (User Adjustable)	1st alarm 10% LEL 2nd alarm 50% LEL Over alarm 100% LEL	No alarms for % Vol. CH4	Low alarm 19.5% High alarm 23.5% Over alarm 40.0%	1st 5 ppm 2nd 30 ppm TWA 10 ppm STEL 15 ppm Over 100 ppm	1st 25 ppm 2nd 50 ppm TWA 25 ppm STEL 200 ppm Over 500 ppm
Alarms Types	Gas alarms: 1st and 2nd, STEL, TWA (user adjustable) and OVER Trouble alarms: Sensor connection, low battery, low flow, circuit trouble and calibration error				
Alarm Methods	Gas alarms: Flashing lights, two tone buzzer, and vibration Trouble alarms: Flashing lights, trouble displayed, intermittent buzzer, and vibration				
Operating Temp. & Humidity	-20°C to +50°C (-4°F to 122°F) 0 to 95% RH, non-condensing				
Response Time	Within 30 seconds (T90)				
Continuous Operation	Alkaline battery: 15 hours Li-Ion battery: 10 hours 70°F (21°C)				

Power Source	Li-Ion battery pack, or 3 “AA” Alkaline battery pack; interchangeable				
Safety Rating	ATEX, TIIS, IECEx, CE, CSA classified (as standard), as intrinsically safe. Class I, Division 1, Groups A, B, C, D (optional version available)				
Dimension & Weight	Approx. 143 (H) x 71 (W) x 43 (D) mm (5.6” H x 2.8” W x 1.6” D), approx. 350 g (12.3 ounces)				
Case Material	High dust & water resistant design. RFI shielded high impact plastic with protective rubber overmolding				
Controls	Five buttons: POWER / ENTER, DISPLAY, AIR, RESET, SHIFT				
Standard Accessories	•Belt clip Rubber nozzle, 3.5” Datalogging software 10” Probe Manual Quick reference card 10’ Hose Training CD				
Optional Accessories	SDM-2012 calibration stations Calibration kit Li-Ion battery pack AC or DC Charger Sample draw hoses (10’ standard, up to 100’ max. available) Carrying case				

Configurations	1, 2, 3, 4, or 5 sensor units Li-Ion or alkaline battery pack options				
Warranty	Two years material and workmanship				

Information source

Russmill Safety product listing — https://www.russmillsafety.com/products/gx-2012-confined-space-gas-monitor-by-rki-instruments (listing notes product information supplied by the manufacturer, RKI Instruments)

Supplier / distributor contact

Supplier / distributor	Russmill Safety
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