Technical Data Sheet

GX-3R Personal Gas Detector by RKI Instruments

Brand / manufacturer	RKI Instruments
Product codes	SKU: 72-RA-C

Product description

RKI Instruments GX-3R personal four-gas monitor for confined spaces: LEL, O2, H2S and CO, small enough to clip in the breathing zone.

Model 72-RA-C: GX-3R for LEL / O2 / H2S / CO with Li-ion battery pack and 100–240 VAC charger.

Key benefits

- Compact: 2.2 in W x 2.55 in H x 1.02 in D, 3.52 oz
- H2-compensated CO sensor available
- Dual-filament LEL sensor for increased resistance to silicone poisoning
- Electrochemical O2 sensor with 3–5 year life; combo H2S/CO micro sensor
- Non-compliance indicator: LEDs flash every 30 s (adjustable) if bump test or calibration is due or after a gas alarm
- Audible, visual and vibration alarms; 3 user-adjustable alarm levels; simple 2-button operation
- 25 hours operation (Li-ion); IP66/68; 3-year warranty

Specifications

Size / weight	2.2 x 2.55 x 1.02 in; 3.52 oz
Ingress protection	IP66/68
Run time	25 h (Li-ion)
Warranty	3 years

Specifications (manufacturer)

Gas Detected	(CO) H2 Compensated	Carbon Monoxide(CO)	Hydrogen Sulfide(H2S)	H2S Only	Combustible Gases (Methane as standard)	Oxygen
Dual Sensor						
Sensor Slot	1	2	3			
Detection Principle	EC	Dual EC	EC	Catalytic combustion	EC	

Detection Range (Increments)	0 ~ 2,000 ppm (1 ppm)	0 ~ 200.0 ppm (0.1 ppm)	0 ~ 100% LEL (1% LEL)	0 ~ 40% Vol. (0.1%)		
Accuracy Statement	± 5% of reading or ± 2 ppm CO	± 5% of reading or ± 5 ppm CO (whichever is greater)	± 5% of reading or ± 2 ppm H2S (whichever is greater)	± 5% of reading or ± 2% LEL (whichever is greater)	± 5% of reading O2	
Sampling Method	Diffusion sampling standard (hand aspirator or clip-on motorized pump optional)					
Display	Digital LCD displays with 7 segment plus 14 segment plus icon					
Preset Alarms (User Adjustable) Overscale alarm (Non-adjustable)	1st alarm: 25.0 ppm 2nd alarm: 50.0 ppm 3rd alarm: 1200.0 ppm TWA alarm: 25.0 ppm STEL alarm: 200.0 ppm Over alarm: 2000.0 ppm	1st alarm: 5.0 ppm 2nd alarm: 30.0 ppm 3rd alarm: 100.0 ppm TWA alarm: 1.0 ppm STEL alarm: 5.0 ppm Over alarm: 200.0 ppm	1st alarm: 10% LEL 2nd alarm: 25% LEL 3rd alarm: 50% LEL Over alarm: 100% LEL			
Types of Alarms	Gas Alarm: 3 Increasing alarms, STEL, TWA, overscale alarm. O2 decreasing/increasing. Trouble alarm: Sensor disconnection, low battery, circuit error, calibration range error					

Display of Alarm	Gas Alarm: Flashing LEDs, continuous buzzer (100 db @ 30 cm), flashing gas value, vibration Trouble alarm: Flashing LEDs, intermittent buzzer (95 db @ 30 cm), display of error message					
Operating Temp. & Humidity	-20°C ~ +50°C [-4°F ~ +122°F], 10 to 90% RH, non-condensing (continuous environment) -40°C ~ +60°C [-40°F ~ +140°F], 0 to 95% RH, non-condensing (temporary environment, 15 minutes)					
Response Time	Within 30 seconds (T90)					
Power Source	Lithium-ion battery, Approx. 25 hours after a 3 hour full charge					
Approvals	ATEX, CSA					

Dimension & Weight	2.2” W x 2.55” H x 1.02” D (Approx. 58 W x 65 H x 26 D mm), 3.52 ounces (approx. 100 g) without rubber booth 2.4” W x 2.63” H x 1.06” D (Approx. 61 W x 67 H x 27 D mm), 3.70 ounces (approx. 105 g) with rubber booth					
Case Material	Explosion proof, dust and water resistant to IP-66/68 (2m,1h) approval. Drop height 23 ft					
Controls	Two buttons: POWER / MODE, AIR					
Datalogging	Logs user ID, station ID, Calibration & Bump Test history, Alarm Events & Alarm Interval Trends					
Standard Accessories	Alligator clip, protective rubber boot, charger, and calibration adapter					

Optional Accessories	SDM-3R calibration station RP-3R Clip-on sampling pump with 4” rubber nipple, 10’ hose and probe (up to 40’ hose available) Padded carrying case for GX-3R and accessories USB to IrDA downloading cable for datalogger					
Warranty	Three years material and workmanship					

Information source

Russmill Safety product listing — https://www.russmillsafety.com/products/gx-3r-personal-gas-detector-rki-instruments (listing notes product information supplied by the manufacturer, RKI Instruments)

Supplier / distributor contact

Supplier / distributor	Russmill Safety
Store	A1 Queen’s Highway, Suite 2–3, Freeport, Grand Bahama F42190, The Bahamas
USA warehouse (fulfilment)	1526 NW 23rd Avenue, Fort Lauderdale, FL 33311
Phone	Bahamas customer service +1 242 351 7623 · USA +1 954 333 8542 · Freeport store +1 242 688 3336
Email	customerservice@russmillsafety.com (customer service) · sales@russmillsafety.com (sales enquiries)
Website	https://www.russmillsafety.com