Technical Data Sheet

GX-3R Pro Gas Detector with Wireless Communication by RKI Instruments

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

Product description

RKI Instruments GX-3R Pro five-gas monitor with Bluetooth wireless communication: LEL, O2, CO, H2S plus a fifth channel for infrared or toxic sensors.

Model 72-PAC-C: GX-3R Pro for LEL / O2 / combo H2S & CO / SO2 with Li-ion battery pack and 100–240 VAC charger.

Key benefits

- Compact: 2.9 in W x 2.6 in H x 1.06 in D, 4.58 oz
- Toxic options include HCN, NO2, PH3, SO2 and CO2; H2-compensated CO available
- Two field-interchangeable sensor slots; field-replaceable sensors and filters
- Bluetooth to free iOS/Android app with programmable text/email alarm notifications
- Panic and man-down alarms; stealth mode for law enforcement
- Non-compliance indicator; 3 user-adjustable alarm levels; simple 2-button operation
- Large auto-backlit, auto-rotating display; impact-resistant body
- Li-ion: 25 hours operation, full charge in 3 hours; alkaline option; IP66/68; 3-year warranty

Specifications

Size / weight	2.9 x 2.6 x 1.06 in; 4.58 oz
Ingress protection	IP66/68
Run time	25 h (Li-ion), 3 h charge
Warranty	3 years

Specifications (manufacturer)

Detectable Gases				
Gas	Measuring Range (Increments)	Accuracy Statement	Preset Alarms	
Sensor Slot 1: Carbon Monoxide (CO) & Hydrogen sulfide (H2S) *Interchangeable				

H2S / CO	Dual EC	0 ~ 2000 ppm (1 ppm)	± 5% of reading or ± 5 ppm CO	A1: 25 ppm| A2: 50 ppm |A3:1200 ppm|TWA: 25 ppm| STEL: 200 ppm
0 ~ 200.0 ppm (0.1 ppm)	± 5% of reading or ± 2 ppm H2S	A1: 5 ppm| A2: 30 ppm| A3: 100 ppm|TWA: 1.0 ppm| STEL: 5.0 ppm		
H2S Only	EC	0 ~ 200.0 ppm (0.1 ppm)	± 5% of reading or ± 2 ppm H2S	A1: 5 ppm| A2: 30 ppm| A3: 100 ppm|TWA: 1.0 ppm| STEL: 5.0 ppm
CO H2 Compensated	EC	0 ~ 2,000 ppm	± 5% of reading or ± 2 ppm CO	A1: 25 ppm| A2: 50 ppm |A3: 1200 ppm|TWA: 25 ppm| STEL: 200 ppm
Sensor Slot 2: Combustibles (Methane as standard)				
CH4 / HC	Catalytic	0 ~ LEL (1% LEL)	± 5% of reading or ± 2 % LEL	1st: 10% LEL | 2nd: 25% LEL3rd: 50% LEL | Over:100% LEL
Sensor Slot 3: Oxygen (O2)				
O2	EC	0 ~ 40.0% Vol. (0.10%)	± 0.5% O2	Low 1: 19.5%| Low 2: 18.0%| High: 23.5%| Over: 40.0%
Sensor Slot 4: Toxics & CO2 *Interchangeable				
HCN	EC	0 ~ 30.0 ppm (0.1 ppm)	± 10% of reading or ± 5 % of full scale	A1: 5.0 ppm| A2: 10.00 ppm | A3: 30.00 ppm| TWA: 4.7 ppm | STEL: 10 ppm
NO2	0 ~ 20.00 ppm (0.05 ppm)	A1: 2.00 ppm| A2: 4.00 ppm | A3: 20.00 ppm| TWA: 0.20 ppm | STEL: 1.00 ppm		
PH3	0 ~ 20.00 ppm (0.01 ppm)	A1: 0.30 ppm | STEL: 1.0 ppm | A2: 0.60 ppm | TWA: 0.30 ppm |A3: 0.60 ppm		
SO2	0 ~ 100.0 ppm (0.05 ppm)	A1: 2 ppm| A2: 5 ppm| A3: 100 ppm| TWA: 0.25 ppm| STEL: 0.25ppm		

CO2 %	IR	0 ~ 10.0% Vol. (0.01%)	± 5% of reading or ± 2 ppm	A1: 0.50% Vol.| A2: 3.00% Vol. |A3: 4.00% Vol.| TWA: 0.50% Vol.| STEL: 3.00% Vol.
CO2 ppm	0 ~ 10,000 ppm (20 ppm)	A1: 5,000 ppm| A2: N/A |TWA: N/A|STEL: N/A		

Common Specifications			
Sampling Method	Diffusion sampling standard (hand aspirator or clip-on motorized pump optional)		
Display	Full dot LCD with Autobacklight and Autorotation		
Alarm Types	Gas Alarm	Trouble Alarm	
2 increasing alarms STEL TWA Over scale alarm O2 decreasing/ increasing	Sensor disconnection Low battery Circuit error Calibration range error Cal or bump due alarm		
• Man Down Alarm • Panic Alarm			
Display of Alarm	Gas Alarm	Trouble Alarm	
Flashing LED’s Continuous buzzer (100 db @ 30cm) Flashing gas value Vibration	Flashing LED’s Intermittent buzzer (95 db @ 30cm) 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)			
Response Time	Within 30 seconds (T90)		
Power Source	Config	Li-ion	Alkaline
4-gas + EC	25 hours	16 hours	
4-gas + IR	16 hours	7 hours	
Dimension & Weight	2.9” W x 2.6” H x 1.06” D (Approx. 73 W x 65 H x 26 D mm), 4.58oz (with rubber boot)		

Case Material	Explosion proof, dust and water resistant to IP-66/68 (2m,1h) approval. Drop height 23 ft		
Bluetooth Communication	BLE: with iOS and Android phone app: RK Link		
Datalogging	Logs user ID, station ID, Calibration & Bump Test history, Alarm Events & Alarm Trends		
Standard Accessories	Alligator clip, protective rubber boot, charger, calibration adapter		
Optional Accessories	Padded carrying case RP-3R Attachable sampling pump with 4” rubber nipple, 10’ hose and probe (up to 40’ hose available) USB to IrDA downloading cable for datalogger SDM-3R calibration station Hand aspirator		
Safety Design / Approvals	ATEX, CSA		
Warranty	Three years material and workmanship including sensors		

Information source

Russmill Safety product listing — https://www.russmillsafety.com/products/gx-3r-pro-gas-detector-with-wireless-communication-by-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