

The RKI GX-3R and GX-3R Pro instruments are the world's smallest personal multi-gas monitors. Capable of simultaneously measuring LEL, O₂, CO, and H₂S - these instruments are wearable and ideal for worker safety applications. They feature newest generation micro sensor technology that include an LEL with dual filament silicone protection, an electrochemical O₂ sensor with a 5 year life expectancy, and available combination H₂S/CO sensor. The RKI GX-3R Pro includes an additional 5th channel for infrared or toxic sensors.

FEATURES

- Simple 2-button operation
- Adjustable audible, visual, and vibration alarms
- Impact resistant IP66/68 enclosure with protective rubber boot
- Large LCD display with backlight
- Alkaline or long lasting Li-Ion battery - up to 25 hours of continuous operation
- Field serviceable sensors and filters
- Non-compliance alarm – calibration due or gas alarm event
- Bluetooth with IOS & Android (GX-3R PRO only)
- Man down alarm (GX-3R Pro only)
- Panic alarm (GX-3R Pro only)
- 3-Year Warranty

OPTIONAL EQUIPMENT

- Attachable Sampling Pump
- Padded Carry Case
- Download Cable for Data Logging
- Calibration Station
- Hand Aspirator



RKI GX-3R



RKI GX-3R Pro

CALL GEOTECH TODAY
(800) 833-7958

Geotech Environmental Equipment, Inc.
2650 East 40th Avenue Denver, Colorado 80205
(303) 320-4764 FAX (303) 322 7242
email: sales@geotechenv.com website: www.geotechenv.com



RKI GX-3R Technical Specifications

Gas Detected	(CO) H2 Compensated	Carbon Monoxide (CO)	Hydrogen Sulfide (H2S)	H2S Only	Combustible Gases (Methane as standard)
		Dual Sensor			
Sensor Slot	1			2	
Detection Principle	EC	Dual EC		EC	Catalytic Combustion
Detection Range (Increments)	0 ~ 2,000 ppm (1 ppm)		0 ~ 200.0 ppm (0.1 ppm)		0 ~ 100% LEL (1% LEL)
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)
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 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
Type 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				
Dimensions & 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				
Standar 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	3 Years material and workmanship				

CALL GEOTECH TODAY
(800) 833-7958

Geotech Environmental Equipment, Inc.
 2650 East 40th Avenue Denver, Colorado 80205
 (303) 320-4764 FAX (303) 322 7242
 email: sales@geotechenv.com website: www.geotechenv.com

RKI GX-3R PRO Technical Specifications

DETECTABLE GASES					GENERAL SPECIFICATIONS				
Gas Detected		Measuring Range (Increments)	Accuracy Statement	Preset Alarms		Sampling Method	Diffusion sampling standard (hand aspirator or clip-on motorized pump optional)		
Sensor Slot 1: Carbon Monoxide (CO) & Hydrogen Sulfide (H₂S) *Interchangeable									
H ₂ S/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		Display	Full dot LCD with Auto-backlight and Auto-rotation		
		0 ~ 200.0 ppm (0.1 ppm)	±5% of reading or ±2 ppm H ₂ S	A1: 5 ppm A2: 30 ppm A3: 100 ppm TWA: 1.0 ppm STEL: 5.0 ppm			Alarm Types	Gas Alarm: 2 Increasing Alarms STEL TWA Overscale Alarm O ₂ decreasing/increasing Trouble Alarm: Sensor disconnection Low battery Circuit Error Calibration Range Error Cal or Bump Due Alarm Man Down Alarm Panic Alarm	
H ₂ S Only	EC	0 ~ 200.0 ppm (0.1 ppm)	±5% of reading or ±2 ppm H ₂ S	A1: 5 ppm A2: 30 ppm A3: 100 ppm TWA: 1.0 ppm STEL: 5.0 ppm		Display of Alarm		Gas Alarm: Flashing LED's Continuous buzzer (100 db @ 30cm) Flashing Gas Value Vibration Trouble Alarm: Flashing LED's Intermittent buzzer (95 db @ 30cm) Display of Error Message	
CO/ H ₂ Compensated	EC	0 ~ 2000 ppm (1 ppm)	±5% of reading or ±2 ppm CO	A1: 25 ppm A2: 50 ppm A3: 1200 ppm TWA: 25 ppm STEL: 200 ppm			Operating Temp. & Humidity	-20°C ~ +50°C [-4°F ~ +122°F] 10 to 90% RH, non-condensing (continuous environment)	
Sensor Slot 2: Combustibles (Methane as standard)									
CH ₄ /HC	Catalytic	0 ~ LEL (1% LEL)	±5% of reading or ±2% LEL	1st: 10% LEL 2nd: 25% LEL 3rd: 50% LEL Over: 100% LEL		Response Time	Within 30 seconds (T90)		
Sensor Slot 3: Oxygen (O₂)									
O ₂	EC	0 ~ 40.0% Vol. (0.10%)	±0.5% O ₂	Low 1: 19.5% Low 2: 18.0% High: 23.5% Over: 40.0%		Power Source	Config: 4-gas + EC 4-gas + IR	Li-ion: 25 Hours 16 Hours	Alkaline: 16 Hours 7 Hours
Sensor Slot 4: Toxics & CO₂ *Interchangeable									
SO ₂	EC	0 ~ 100.0 ppm (0.05 ppm)	±10% of reading or ±5% of full scale	A1: 2 ppm A2: 5 ppm A3: 100 ppm TWA: 0.25 ppm STEL: 0.25ppm		Dimensions & Weight	2.9" W x 2.6" H x 1.06" D (Approx. 73 W x 65 H x 26 D mm) 4.58 oz. (with rubber boot)		
CO ₂ %	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.			Case Material	Explosion proof, dust and water resistant to IP-66/68 (2m, 1h) approval. Drop height 23 ft.	
CO ₂ ppm	IR**	0 ~ 10,000 ppm (20ppm)	±5% of reading or ±2 ppm	A1: 5,000 ppm A2: N/A TWA: N/A STEL: N/A		Bluetooth Comm.		BLE: with iOS and Android phone app: RK Link	
*Specifications subject to change without notice									
**Available August 2019									
									
									
Standard Accessories						Alligator clip, protective rubber boot, charger, calibration adapter			
Optional Accessories						<ul style="list-style-type: none"> • 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 & workmanship			

CALL GEOTECH TODAY
(800) 833-7958

Geotech Environmental Equipment, Inc.
2650 East 40th Avenue Denver, Colorado 80205
(303) 320-4764 FAX (303) 322 7242
email: sales@geotechenv.com website: www.geotechenv.com