RKI INSTRUMENTS

GX-3R Pro

Features

Smallest & lightest 5 gas monitor

2.9" W x 2.6" H x 1.06" D, 4.58 ounces

Simultaneous detection of 5 gases:
- Confined Space Gases: **LEL, O_2, H_2S, CO**
- Toxic/IR Gases: **HCN, NH_3, NO_2, PH_3, SO_2, and CO_2**
- **H_2** Compensated **CO** sensor available

Simple 2-button operation

Bluetooth communication with iOS & Android app

Non-compliance indicator

3 User adjustable alarm levels

Panic alarm (tap instrument twice)

Man down alarm

Impact resistant body

Large full dot, auto-backlit display with auto-rotation

Stealth mode for law enforcement

Field replaceable sensors & filters

Water and dust resistant design, IP66/68

3 Year warranty*

Applications

Personal monitoring	Refineries/petrochemical
Oil and Gas	Fire services
Confined spaces	Utilities
Water/wastewater	Construction

The GX-3R Pro is the world's smallest 5-gas monitor weighing only 4.58 ounces and fits in the palm of your hand (2.9" W x 2.6" H x 1.06" D). It simultaneously monitors and displays 5 different gases. In addition to monitoring standard confined space gases, LEL, O_2, CO, & H_2S, the GX-3R Pro has a 5th channel where you can add infrared or toxic sensors. Two of the four sensor slots have interchangeable sensors providing flexible configurations, which can easily be changed in the field.

The GX-3R Pro comes equipped with Bluetooth wireless communication, man-down alarm, the choice of alkaline or rechargeable power supply, and a 3 year warranty. The Lithium-ion battery pack will operate for 25 hours and will fully charge in 3 hours.

The GX-3R Pro utilizes Bluetooth communication to display direct gas readings from the instrument to a phone app, which is available free on either iOS or Android phones. Automatic notifications can be programmed to send text or email messages, if there is an alarm event from the GX-3R Pro. Safety supervisors will appreciate the non-compliance indicator. The instrument flashes it's 3 LED lights every 30 seconds in the following conditions; if the instrument has not been bump tested, or if calibration is due, or if there was a gas alarm event. The 3 LED lights will continue to flash once every 30 seconds until the non-compliance condition has been resolved. The 30 second interval is adjustable.

* 3 year warranty on material and workmanship including sensors (1 year for Ammonia sensor)

5 Gas Monitor
WORLD'S SMALLEST & LIGHTEST

Health Check Indicator

H_2 Compensated CO Sensor Available

Bluetooth Communication

SO_2

Interchangeable 5th Gas Channel

Battery Life 25 Hours

3 Visual Alarm LEDs

Audible Alarm

LCD with Autorotation and Backlight

Removable Impact Resistant Boot

Replaceable Sensor/Filters

GX-3R Pro

Detectable Gases

Gas		Measuring Range (Increments)	Accuracy Statement	Preset Alarms	
Sensor Slot 1: Carbon Monoxide (CO) & Hydrogen Sulfide (H2S)					
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	STEL: 200 ppm TWA: 25 ppm
		0 ~ 200.0 ppm (0.1 ppm)	± 5% of reading or ± 2 ppm H2S	A1: 5 ppm A2: 30 ppm A3: 100 ppm	STEL: 5.0 ppm TWA: 1.0 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	STEL: 5.0 ppm TWA: 1.0 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	STEL: 200 ppm TWA: 25 ppm
Sensor Slot 2: Combustibles (Methane as standard)					
CH4 / HC	Catalytic	0 ~ LEL (1% LEL)	± 5% of reading or ± 2 % LEL	1st: 10% LEL 3rd: 50% LEL	2nd: 25% 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					
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	STEL: 10 ppm TWA: 4.7 ppm
NH3		0 ~ 400.0 ppm (0.5 ppm)		A1: 25.0 ppm A2: 35.0 ppm A3: 300.0 ppm	STEL: 1.0 ppm TWA: 0.30 ppm
NO2		0 ~ 20.00 ppm (0.05 ppm)		A1: 2.00 ppm A2: 4.00 ppm A3: 20.00 ppm	STEL: 25.0 ppm TWA: 35.0 ppm
PH3		0 ~ 20.00 ppm (0.01 ppm)		A1: 0.30 ppm A2: 0.60 ppm A3: 0.60 ppm	STEL: 1.0 ppm TWA: 0.30 ppm
SO2		0 ~ 100.0 ppm (0.05 ppm)		A1: 2.00 ppm A2: 5.00 ppm A3: 100.00 ppm	STEL: 5.0 ppm TWA: 2.00 ppm
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.	STEL: 3.00% Vol. TWA: 0.50% Vol.
CO2 ppm		0 ~ 10,000 ppm (20 ppm)		A1: 5,000 ppm A2: N/A	STEL: N/A TWA: N/A

Specifications subject to change without notice

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 • Overscale 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
	with BLE	23 hours	14 hours
	4-gas + IR	16 hours	7 hours
	with BLE	15 hours	6 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	Dust and water resistant to IP-66/68 (2m,1h); Drop test 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
Approvals	ATEX, CSA, IECEx, MED
Warranty	3 years material and workmanship including sensors *(1 year for Ammonia sensor)*

Calibration Station
SDM-3R

Clip-On Sampling Pump
RP-3R