![RKI INSTRUMENTS logo]

SAMPLE DRAW 4 GAS MONITOR

Gas Detection For Life

GX-Force Model

Features

- **2 Operating modes**
  - **— Normal and Leak Check**
- **Internal sample pump with 100' sample range**
- **30 hours of operation (Lithium-ion battery)**
- **USB C charging and data connection**
- **Easy to grip lightweight design**
  - — 2.52" W x 6.81" H x 1.85" D, 9.87 ounces
- **Water and dust resistant design, IP67**
- **Field replaceable sensors & filters**
- **Impact resistant body**
- **Intrinsically safe**
- **Large LCD Auto-backlit display**
- **3 Year warranty**

Applications

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

The GX-Force is RKI's smallest personal 1-4 gas monitor with a strong internal sample pump capable of a 100' sampling range. Weighing only 9.8 ounces, the GX-Force can monitor the standard confined space gases (LEL combustibles, Oxygen, Carbon Monoxide, and Hydrogen Sulfide). Utilizing the same micro-sensor technology, which is compatible with the GX-3R, GX-3R Pro, 04 Series, and Gaswatch 3 instruments.

With the GX-Force, you have multiple tools in one instrument. Having 2 operating modes, the GX-Force can be used for confined space and safety monitoring in its Normal Operating mode. A Leak Check mode is the solution for leak investigations. In Leak Check Mode, the GX-Force can monitor for combustibles in the ppm range.

The GX-Force operates 30 hours on a Li-ion battery, and has a large LCD display showing all gas readings, battery level, current time and automatically backlights in alarm conditions. Standard alarm types include vibration, visual, and audible alarms, which can be set to latching or non-latching. Controlled by a microprocessor, the GX-Force continuously checks itself for sensor connections, low battery, circuit trouble, low flow, and calibration errors.

Calibration and bump test intervals and reminders are user adjustable and can be set to either go into alarm or to lock the user out of normal measurement mode once a calibration period has expired. Calibration can be done individually or in a group.

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World Leader In Gas Detection & Sensor Technology
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Model	GX-Force
Sampling Method	Internal sample pump, flow rate nominal 0.5 LPM, includes hydrophobic filter
Suction Flow Rate	Minimum 0.35 L/min (open flow rate)
Gas Alarm Pattern	Lamp flashing, continuous modulating buzzer sounding, gas concentration display flashing, vibration
Gas Alarm Reset Operation	Self-resetting or latching
Fault Alarm/Self-Diagnosis	System, clock, or sensor abnormality; battery voltage drop; calibration failure; pump abnormality; low flow rate
Fault Alarm Pattern	Lamp flashing, intermittent buzzer sounding, detail display
Fault alarm reset operation	Self-resetting
Display	LCD digital (7-segment + 14-segment + icons) with backlight
Individual Operations	Operational status, clock, battery level, peak reading, pump status, calibration notification
Sound Pressure	Approx. 90 dB (30 cm)
Data Logger Function	Maximum storage capacity: 3,600 items Interval: 5 minutes (adjustable)
Communication Specifications	USB, 2.0 (for data logger) Connector: Type-C
Power Source	Rechargeable lithium ion battery
Continuous Operating Time	Approx. 30 hours (25 °C, fully charged, no alarm, no backlight)
Operating Ambient Temperature / Humidity Range	-20 °C to +50 °C (no sudden changes), 0 - 95 % RH (no condensation) (-4 °F to +122 °F)
Approvals	Intrinsically safe construction IECEx (Ex da ia IIC T4 Ga/Ex ia IIC T4 Ga) ATEX (II1G Ex da ia IIC T4 Ga/II1G Ex ia IIC T4 Ga)
Certifications	ATEX / IECEx cQPSus, Class I, Div 1, Groups ABCD Ex da ia IIC T4 Ga (w/ NCR-6309 sensor)/Ex ia IIC T4 Ga (w/o NCR-6309 sensor) Class I, Zone 0 AEx da ia IIC T4 Ga (w/ NCR-6309 sensor)/AEx ia IIC T4 GA (w/o NCR-6309 sensor)
Protection Level	IP67 equivalent
External Dimensions / Weight	Approx. 2.52 (W) × 6.81 (H) × 1.85 (D) (excluding protrusions) / Approx. 9.87 oz.
Warranty	Three years material and workmanship

Detection target gas	Combustible gas (CH4 or HC)	Oxygen (O2)	Carbon monoxide (CO)	Hydrogen sulfide (H2S)
Detection principle	Catalytic combustion	Electrochemical type		
Detection range	0 - 100 % LEL	0.0 - 40.0 vol %	0 - 2,000 ppm	0.0 - 200.0 ppm
Resolution	1 % LEL	0.1 vol %	1 ppm	0.1 ppm
Alarm setpoints (User-defined setting)	1st alarm: 10 % LEL 2nd alarm: 25 % LEL 3rd alarm: 50 % LEL OVER alarm: 100 % LEL	L alarm: 19.5 vol % LL alarm: 18.0 vol % H alarm: 23.5 vol % OVER alarm: 40.0 vol %	1st alarm: 25 ppm 2nd alarm: 50 ppm 3rd alarm: 1200 ppm TWA alarm: 25 ppm STEL alarm: 200 ppm OVER alarm: 2,000 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
Response time (T90)	CH4: Within 30 seconds, HC: Within 40 seconds	Within 20 seconds	Within 30 seconds	Within 30 seconds

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