

NATURAL GAS DETECTOR

Confined Space Monitor

Leak Investigation

Line Purge Testing

Bar Hole Sampling



4 GX-2003
INSTRUMENTS
1 MONITOR



INSTRUMENTS



CONFINED SPACE ENTRY

- Monitor LEL, O₂, CO, and H₂S
- Smallest 5 sensor sample draw instrument
- Internal sample pump
 - ◊ Pull samples up to 40'
 - ◊ Maintain steady sample flow to sensors
- Vibration, audible, and visual alarms
 - ◊ 3 Ways to communicate with workers
 - ◊ Includes audible alarm silence

LEAK INVESTIGATION

- Provides low ppm detection of combustible gas
- Compact size
 - ◊ Ideal for appliance leak checks
- Leak check blink rate
 - ◊ LED's and alarm tones increase in frequency as gas concentration increases
 - ◊ Easier to find leak sources
- Audible alarm silence
 - ◊ Perform leak investigations without alarming residents



LINE PURGE TESTING

- Thermal conductivity sensor
 - ◊ 0 to 100% volume Methane range
- Autoranging
 - ◊ Automatically ranges from % LEL to % Vol
 - ◊ Displays appropriate unit of measure
- Oxygen sensor
 - ◊ Linear response down to 0.0% oxygen



BAR HOLE SAMPLING

- Samples on demand
 - ◊ Take samples when you're ready
 - ◊ Fixed time sampling periods
 - ◊ Displays peak reading after sampling
 - ◊ Locate leaks quicker, more accurately
- Bar hole probe
 - ◊ Prevents underground fluids and obstructions from entering sample system.



Specifications

High impact protective rubber boot

Internal pump with 40' range



3 Operation Modes

Auto-ranging display of % volume and % LEL

Bright visual alarm light bar

Battery level and time indicator

- Monitors:
- Combustibles
 - O₂
 - H₂S
 - CO

Glove friendly glow in the dark buttons

Audible, and vibration alarms

Interchangeable Ni-MH or alkaline power source



US

| Gas Detected | Combustible Gases (Methane as standard) | % Volume Methane | Oxygen (O ₂) | Hydrogen Sulfide (H ₂ S) | Carbon Monoxide (CO) |
|--|--|----------------------|---|---|--|
| Detection Principle | Catalytic combustion | Thermal conductivity | Galvanic cell | Electrochemical cell | |
| Detection Range | 0 ~ 100% LEL | 0 ~ 100% Vol. | 0 ~ 40% Vol. | 0 ~ 100 ppm | 0 ~ 500 ppm |
| Sampling Method | Internal sample pump, flow rate nominal 0.5 LPM, includes hydrophobic filter | | | | |
| Display | Digital LCD with 7 segments, auto backlight during alarm, adjustable backlight time | | | | |
| Preset Alarms (User Adjustable) | 1st alarm 10% LEL 2nd alarm 50% LEL Over alarm 100% LEL | N/A | Low alarm 19.5% High alarm 23.5% Over alarm 40.0% | 1st 10 ppm 2nd 30 ppm TWA 10 ppm STEL 15 ppm Over 100 ppm | 1st 25 ppm 2nd 50 ppm TWA 25 ppm STEL 200 ppm Over 500 ppm |
| Alarms Types | Gas alarms: 1st and 2nd (user adjustable), STEL, TWA and OVER Trouble alarms: Sensor connection, low battery, low flow, circuit trouble and calibration error | | | | |
| Alarm Methods | Gas alarms: Flashing lights, two tone buzzer, and vibration Trouble alarms: Flashing lights, trouble displayed, intermittent buzzer, and vibration | | | | |
| Response Time | Within 30 seconds (T90) | | | | |
| Continuous Operation | Alkaline battery: 14 hours | | Ni-MH battery: 16 hours | | |
| Power Source | Ni-MH battery pack, direct or separate charge, or 3 "AA" Alkaline dry cell batteries; interchangeable | | | | |
| Dimension & Weight | Approx. 171 (H) x 65 (W) x 39 (D) mm (5.6" H x 2.5" W x 1.5" D), approx. 310 g (11 ounces) | | | | |
| Warranty | Two years material and workmanship | | | | |

Ordering Info & Accessories

| Part Number | Description |
|--------------|---|
| 72-0253RKCLB | GX-2003, 3 sensor, LEL / % Vol (CH4) / O2 with Ni-MH battery pack and 115 VAC charger, LB version |
| 72-0253RKALB | GX-2003, 3 sensor, LEL / % Vol (CH4) / O2, with Ni-MH battery pack and 12 VDC charger, LB version |
| 72-0252RKLB | GX-2003, 3 sensor, LEL / % Vol (CH4) / O2 with alkaline batteries, LB version |
| 72-0253RKLB | GX-2003, 3 sensor, LEL / % Vol (CH4) / O2, with Ni-MH battery pack, LB version |
| 72-0273RKCLB | GX-2003, 4 sensor, LEL / % Vol (CH4) / O2 / CO,with Ni-MH battery pack and 115 VAC charger, LB version |
| 72-0273RKALB | GX-2003, 4 sensor, LEL / % Vol (CH4) / O2 / CO,with Ni-MH battery pack and 12 VDC charger, LB version |
| 72-0272RKLB | GX-2003, 4 sensor, LEL / % Vol (CH4) / O2 / CO,with alkaline batteries, LB version |
| 72-0273RKLB | GX-2003, 4 sensor, LEL / % Vol (CH4) / O2 / CO,with Ni-MH battery pack, LB version |
| 72-0275RKCLB | GX-2003, 4 sensor, LEL / % Vol (CH4) / O2 / H2S with Ni-MH battery and 115 VAC charger, LB version |
| 72-0275RKALB | GX-2003, 4 sensor, LEL / % Vol (CH4) / O2 / H2S with Ni-MH battery and 12 VDC charger, LB version |
| 72-0274RKLB | GX-2003, 4 sensor, LEL / % Vol (CH4) / O2 / H2S with alkaline batteries, LB version |
| 72-0275RKLB | GX-2003, 4 sensor, LEL / % Vol (CH4) / O2 / H2S with Ni-MH battery, LB version |
| 72-0280RKLB | GX-2003, 5 sensor, LEL / % Vol (CH4) / O2 / CO / H2S with alkaline, LB version |
| 72-0281RKCLB | GX-2003, 5 sensor, LEL / % Vol (CH4) / O2 / CO / H2S with Ni-MH battery and 115 VAC charger, LB version |
| 72-0281RKALB | GX-2003, 5 sensor, LEL / % Vol (CH4) / O2 / CO / H2S with Ni-MH battery and 12 VDC charger, LB version |
| 72-0281RKLB | GX-2003, 5 sensor, LEL / % Vol (CH4) / O2 / CO / H2S with Ni-MH battery, LB version |



Calibration Kits

Flexible Power Source

100-240 VAC and VDC Battery Chargers

Bar Hole Probe

Carrying Case



Calibration Station



Training CD
(ships with every order)

Instrument Management System

Who Is RKI Instruments?

A world leader in gas detection AND sensor technology for over 70 years.

At The Heart Of Every Gas Detector Is The Sensor

We don't just buy our sensors, we design, build, age, and test them. For over 70 years we have been at the forefront of sensor technology, developing advanced detection techniques to provide solutions for specific applications. As a result we provide reliable, rugged gas detection equipment.

Product Development

Through ingenuity and years of industry experience, we have developed a unique line of gas detection instruments and accessories. The GX-2003 was designed specifically for the Natural Gas Utility Industry and built around our own high quality, long lasting sensors.

Support

The average RKI employee has over 12 years of gas detection experience. When you call RKI for support you will speak to a person with an expertise in gas detection equipment. We maintain a large inventory of product and can ship most orders within 24 hours. RKI also provides support through a network of authorized safety equipment distributors, technical sales representatives, and service centers.

Training

Our products ship with an operator's manual as well as an interactive computer-based training CD. The interactive training material is also available from our web site. On site training and factory classes are also available.



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