



INSTRUMENTS

THREE & FOUR GAS PORTABLE MONITORS

Gas Detection For Life

GX-82A & GX-86A Model

GX-82A handles LEL / O₂ / & 1 toxic
GX-86A handles LEL / O₂ / H₂S / CO

**U.L. Classified**

Intrinsically Safe Equipment,
Class I, Division I, Groups A, B, C & D

Features

- Detachable Sensor Block with extender cable
- Data logging capability
- Microprocessor controlled
- Peak hold function
- Push button auto calibration
- Continuous diffusion monitoring
- Sensor extender cable capability
- Sample pump capability
- Time weighted average
- Alkaline or Ni-Cad capable
- User adjustable alarms
- Low cost sensor replacements

Applications

- Sewage Treatment Plants
- Utility Manholes
- Tunnels
- Hazardous Waste Sites
- Refineries
- Mines
- Chemical Plants
- Paper Mills
- Drilling Rigs
- Pipelines
- Storage Tanks

The GX-82A and GX-86A can detect a combination of Combustible, Oxygen, and toxic gases (Carbon Monoxide or Hydrogen Sulfide). The GX-82A and GX-86A are enhanced popular designs of the time tested GX-82 and GX-86. These new designs maintain all of the popular features on the original models such as the unique removable sensor block engineered for extender cables, sample drawing attachable pump capability, and easy to replace "bayonet" style sensors. Controlled by a microprocessor, the GX-82A and GX-86A models provide continuous monitoring for 12 hours on 2 "C" size alkaline batteries, data logging, and autocalibration of all channels simultaneously. All accessories for prior models are interchangeable with the new "A" series instruments. UL classified as intrinsically safe.

GX-82A & GX-86A Model

Gas detected	All combustible gases (Methane as standard)	Oxygen (O ₂)	Hydrogen Sulfide (H ₂ S)	Carbon Monoxide (CO)
Detection principle	Catalytic combustion	Galvanic cell	Electrochemical cell	Electrochemical cell
Detection range	0~99% LEL	0~40.0 vol %	0~99.5 ppm	0~499 ppm
Sampling method	Diffusion sampling, or with optional attachable pump, aspirator or sensor extender cable			
Display	2 digits (1% LEL / digit)	3 digits (0.1 vol % / digit)	3 digits (0.5 ppm / digit)	3 digits (1 ppm / digit)
	LCD with auto backlighting			
Indication Accuracy	+/- 2% LEL from 0~20% range, +/-5% LEL up to 100% range	+/- 5% Oxygen	+/- 1.5 ppm from 0~30 ppm range +/- 5 ppm from 30~99.5 ppm range	+/- 5 ppm from 0~50 ppm range +/- 15 ppm from 50~150 ppm +/- 25 ppm from 150-499 ppm
Alarms (User adjustable)	1st alarm 10% LEL 2nd alarm 50% LEL Max alarm 100%	Low alarm 19.5% LEL High alarm 23.5% LEL Max alarm 40%	1st alarm 10 ppm Ceiling alarm OFF TWA alarm 10 ppm STEL alarm 15 ppm Max alarm 100 ppm	1st alarm 25 ppm Ceiling alarm OFF TWA alarm 25 ppm STEL alarm 400 ppm Max alarm 500 ppm
Alarm method	Buzzer (80dB) and individual LED lamp (self-reset)			
Special functions	Dosimeter: Peak hold: Delayed turn off: Integral data logger: Demand zero: Calibration:	Indicates Time Weighted Average (TWA), Short Term Exposure Limit (STEL) Indicates highest reading since start up, lowest reading for oxygen Approx. 5 seconds, prevents inadvertent turn off Selectable data log intervals up to 90 hrs., total log time Zero only on demand Auto calibration with multi gas cylinder or push button calibration with individual gas cylinders		
Operating temp. & humidity	-10°C~+40°C (14°F to 104°F), 0 to 95% RH, non-condensing			
Data logger output	RS-232C, 4800 Baud Rate			
Continuous operating hours	Approx. 12 hours using Alkaline batteries. 10 hours using Ni-Cad batteries			
Power source	C size alkaline batter (2 pcs) or Ni-Cad battery (optional, internally charged)			
Safety design	Intrinsically safe, Class I, Division I, Groups A, B, C and D			
Dimensions & weight	GX-82A: 7 1/4"L x 3 3/8"W X 2.0"H, 2 lb, 6 oz		GX-86A: 7 1/4"L x 5.0"W X 2 1/2"H, 3 lb	
Case material	High impact plastic			
Controls	Touch operated: DISPLAY, AIR, ON/OFF, SHIFT			
Warranty	One year material and workmanship			
Standard accessories	Belt mounted vinyl carrying case, Shoulder strap, Alkaline batteries, Charcoal filter (if applicable), Instruction manual			



Optional Accessories:

Specifications subject to change without notice. Please specify gas combination when ordering.

Product Description

Part

- | | |
|--|---------------|
| 1. Calibration kit including 58 ltr. cylinder, regulator, calibration shell, case and tubing | .81-GX86AHSCO |
| 2. Waterproof carrying case for instrument & accessories | .20-0602RK |
| 3. Hand operated sample draw with 10' hose & probe | .81-1159RK |
| 4. Sensor extender cable, 5 meters for GX-82A | .47-1641RK |
| 5. Sensor extender cable, 5 meters for GX-86A | .47-1631RK |
| 6. Sample drawing pump for GX-86A | .81-1154RK |
| Sample drawing pump for GX-82A | .81-1141RK |
| 7. Battery charger for GX-82A or GX-86A, 115VAC | .49-2124RK |
| 8. Shoulder strap | .13-0190RK |
| 9. Continuous operation adaptor for GX-82A or GX-86A, 115VAC | .49-2125RK |

Also available:

Ni-Cad batteries, Remote repeater alarm, SO₂ and Cl₂ sensor capability

RKI Instruments, Inc.



33248 Central Ave.
Union City, CA 94587
Toll Free: (800)754-5165
Phone: (510)441-5656
Fax: (510)441-5650
mail4rki@rkiinstruments.com
www.rkiinstruments.com

Authorized Distributor:

COLL

HEALTH AND SAFETY INC.

15 - 145 Traders Blvd. East
Mississauga, ON L4Z 3L3
p: 905 625 3994 f: 905 625 6684
t: 1.800.267.9317 e: bruce@collhealth.com
w: www.collhealth.com