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GX=3R



GX-3R Pro





# Gas Detection For Life Distributor Announcement

May 1, 2019

# The World's Smallest & Lightest Gas Monitors

GX-3R







Introducing the latest evolution in gas detection!

**GX-3R** – smallest confined space monitor

GX-3R Pro – smallest 5-gas monitor with bluetooth

### The World's Smallest & Lightest Gas Monitors



GX-3R

## The GX-3R is the world's smallest 4-gas monitor!

Weighing only 3.52 ounces, it clips comfortably within a worker's breathing zone.

Both the GX-3R and the GX-3R Pro utilize a new generation of micro sensors:

- The new LEL sensor has two active filaments to increase its resistance to silicone poisoning
- The new O2 sensor has a 3 to 5 year life span
- H2S and CO are now monitored by one combination micro-sensor
- Available with a hydrogen compensated CO sensor (as LEL/O2/CO)
- Non-compliance indicator
- The sensors are field replaceable; Easy to change in less than 60 seconds

# The GX-3R Pro is the world's smallest 5-gas monitor!

Weighing only 4.58 ounces it fits in the palm of your hand.

In addition to the four confined space gases (CO, H2S, LEL, O2) of the GX-3R, the GX-3R Pro has a 5th channel for toxic and infrared sensors that can monitor:

- ppm of CO2
- % volume of CO2
- SO2
- CO sensor (with hydrogen compensation)
- HCN, NO2, NH3, or CL2 [COMING SOON, 2020]



**GX-3R PRO** 

### The World's Smallest & Lightest Gas Monitors

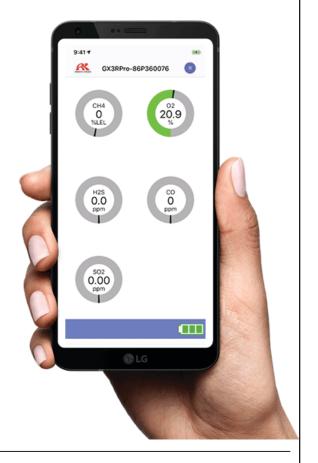
Additionally, the GX-3R Pro comes equipped with:

- Two interchangeable sensor slots providing flexible configurations
- Non-compliance indicator
- Man-down alarm
- · Panic alarm

### **Stay Connected!**

The GX-3R Pro has Bluetooth Connectivity!

- Connect to the RK Link app to view direct instrument readings
- · Adjust alarms and instrument settings
- Configure it to send alarm notifications and location to your desired contacts in case of emergency
- · Available in iOS and Android



### **Warranty**

RKI backs up our quality with a 3-year warranty on the instrument and the sensors for both GX-3R and the GX-3R Pro. We believe gas monitors should be in service for years and not decommissioned after 24 months. If cost of ownership is important to you, then the GX-3R and GX-3R Pro are excellent solutions.



### The World's Smallest & Lightest Gas Monitors

### **Promotions**

### **Instrument Discounts**

We are offering quantity discounts for both the GX-3R and the GX-3R Pro! To qualify, your order must have only one "ship to" location. The following discounts will automatically be applied:

Order Quantity	Discount
1 - 9	30%
10 - 24	35%
25 - 49	38%
50 >	40%

### **Buy 25 Instruments and Get 1 Free Cal Station**

For the next 90 days, order 25 or more GX-3R's or GX-3R Pro's at the 25 unit price and receive a free SDM-3R Calibration Station! All 25 units must be the same model. No mixing GX-3R and GX-3R Pro's for the promo. Additional SDM-3R can be purchased for 30% off when buying this quantity. Not applicable at the 40% discount level.



### 60 for 90

For the next 90 days, sales demo units for the GX-3R and GX-3R Pro will receive a 60% discount off the suggested retail price. Demo unit sales are limited to one unit of each model per location. The demo discount also applies to bundled kits that include carrying case and accessories. Contact your RKI Regional Sales Manager to take advantage of this limited time offer.



### Resources:

GX-3R	GX-3R Pro
www.gx	-3r.com
GX-3R Datasheet	GX-3R Pro Datasheet
GX-3R Kit	GX-3R Pro Kit
GX-3R Video	GX-3R Pro Video



### **SMALLEST & LIGHTEST 4 GAS MONITOR**

### **Gas Detection For Life**

### **GX-3R Model**



# 4 Gas Monitor

### **Features**

- Smallest & lightest 4 gas monitor
  - 2.2" W x 2.55" H x 1.02" D, 3.52 ounces
- Simultaneous detection of 4 gases
  - LEL, O2, H2S & CO
  - H2 Compensated CO sensor available
- Simple 2-button operation
- Non-Compliance Indicator
- · Alarms: audible, visual, & vibration
- 3 user adjustable alarm levels
- Impact resistant body with removable rubber boot
- Large LCD Auto-backlit display
- 25 hours of operation (Lithium-ion battery)
- · Field replaceable sensors & filters
- Water and dust resistant design. IP66/68
- Stealth mode for law enforcement
- 3 Year warranty

### **Applications**

- Personal monitoring
- Confined spaces
- · Refineries/petrochemical
- Utilities

- · Oil and Gas
- · Water/wastewater
- Fire services
- Construction

OSHA defines the breathing zone as a ten inch radius around the worker's nose and mouth, and requires that worker exposure monitoring air samples be collected *in the breathing zone*. Air sampling filters may be attached to the collar or lapel. Traditionally this means only a single gas monitor would be small enough for a worker to practically wear a gas monitor 'In the breathing zone'. Now there is a 4 gas monitor smaller than many single gas monitors.

The GX-3R is the worlds smallest 4 gas monitor weighing only 3.52 ounces and can comfortably be clipped within a worker's breathing zone (2.2" W x 2.55" H x 1.02" D). It simultaneously monitors and displays LEL combustibles, O2, CO (Hydrogen compensated CO also available), and H2S.

The GX-3R represents the latest evolution of gas detection technology utilizing a new generation of micro sensors. The LEL sensor has a unique design with two active filaments in one sensor to increase it's resistance to silicone poisoning. If one filament gets poisoned the second filament takes over. The new O2 sensor is electrochemical with a 3 to 5 year life span. H2S and CO are now available in a combo micro sensor.

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.



### **GX-3R Model**

Gas Detected	(CO)	Carbon Monoxide(CO)	Hydrogen Sulfide(H2S)	H2S	Combustible Gases	Oxygen
Guo Deteoteu	H2 Compensated Dual Se		Sensor Only		(Methane as standard)	(O2)
Sensor Slot		1			2	3
Detection Principle	EC	Dua	ıl EC	EC	Catalytic combustion	Electrochemical cell
Detection Range (Increments)		2,000 ppm 1 ppm)	0 ~ 200.0 p (0.1 ppm		0 ~ 100% LEL (1% LEL)	0 ~ 40.0% Vol. (0.1%)
Accuracy Statement	± 5% of reading or ± 2 ppm CO	± 5% of reading or ± 5 ppm CO (whichever is greater)	± 5% of read or ± 2 ppm I (whichever is g	H2Š	± 5% of reading or ± 2% LEL (whichever is greater)	± 0.5% O2
Sampling Method		Diffusion sa	mpling standard (hand aspir	rator or clip-on mo	torized pump optional)	
Display		Dig	ital LCD displays with 7 seg	ment plus 14 segr	ment plus icon	
Preset Alarms (User Adjustable) Overscale alarm (Non-adjustable)		n: 50.0 ppm n: 1200.0 ppm	3rd alarm: 10		1st alarm: 10% LEL 2nd alarm: 25% LEL 3rd alarm: 50% LEL Over alarm: 100% LEL	Low 1 alarm: 19.5% Low 2 alarm: 18.0% High alarm: 23.5% Over alarm: 40.0%
Types 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 $\sim$ +50°C [ -4°F $\sim$ +122°F ], 10 to 90% RH, non-condensing (continuous environment) -40°C $\sim$ +60°C [ -40°F $\sim$ +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, CS	A (Pending)		
Dimension & Weight	2	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					
Standard 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			Three years materi	al and workmansh	nip	



SDM-3R

- · Charge, calibrate, bump test, and alarm test
- Automatically schedule calibrations & bump test
- Fast bump mode uses less calibration gas
- Ethernet and USB output connections
- Bank up to 10 units with tubeless connection

### Clip-On Sampling Pump RP-3R

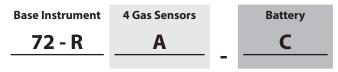
• 100' sampling range and independent power supply



**Authorized Distributor:** 

(800) 754-5165 www.rkiinstruments.com

### **GX-3R Four Gas Confined Space Monitor**



Step 1 Step 2

 Sensors
 Battery

 \$595
 \$0
 \$595

 Total List Price



Above Example:

Part#DescriptionSuggested Retail72-RA-CGX-3R for LEL / O2 / H2S / CO with Li-lon battery pack and 100-240 VAC charger\$595

### Step 1

### Standard 4 gas sensors

Α	LEL / O2 / combo H2S / CO	595.00
В	LEL / O2 / H2S	595.00
C	LEL / O2 / CO	595.00
D	LEL / O2 / CO (H2 compensated CO sensor)	620.00
Е	LEL / combo H2S / CO	570.00
F	O2 / combo H2S / CO	570.00
G	LEL / O2	545.00
Н	LEL / H2S	570.00
- 1	LEL / CO	570.00
J	LEL / CO (H2 compensated CO sensor)	595.00
K	O2 / CO (H2 compensated CO sensor)	595.00
L	combo H2S / CO	545.00
М	LEL	520.00
N	O2	520.00
0	H2S	545.00
Р	СО	545.00
Q	CO (H2 compensated CO sensor)	570.00

### Step 2

### **Battery options**

С	Li-lon battery pack with 100-240 VAC Charger	0.00
E	Li-lon battery pack only (No charger)	-50.00

### **Instrument Price Includes**

13-0112RK	Wrist strap	4.00
81-1192	Calibration adapter for GX-3R	6.00
20-0332	Rubber boot for GX-3R	18.00

### **GX-3R Common Configurations**

Part#	<u>Description</u>	<b>Suggested Retail</b>
72-RA-C	GX-3R, 4 gas, LEL / O2 / combo H2S & CO with 100-240 VAC charger	595.00
72-RB-C	GX-3R, 3 gas, LEL / O2 / H2S with 100-240 VAC charger	595.00
72-RC-C	GX-3R, 3 gas, LEL / O2 / CO with 100-240 VAC charger	595.00
72-RG-C	GX-3R, 2 gas, LEL / O2 with 100-240 VAC charger	545.00
72-RI-C	GX-3R, 2 gas, LEL / CO with 100-240 VAC charger	570.00

### **GX-3R Instrument Bundles (Instrument & Charger Included)**

### 100-240 VAC Versions

Part#	<u>Description</u>	Suggested Retail
72-RA-C-50	GX-3R for LEL/O2/CO/H2S bundled with 100-240 VAC charges	r,
	screwdriver and <i>carrying case</i>	645.00
72-RA-C-51	GX-3R for LEL/O2/CO/H2S bundled with <i>hand aspirator</i> , 100	)-240 VAC
	charger, screwdriver and carrying case	855.00
72-RA-C-56	GX-3R for LEL/O2/CO/H2S bundled with 100-240 VAC charges	r,
	34AL cylinder CH4/O2/H2S/CO, 0.25 LPM regulator, tubing	g, screwdriver,
	and carrying case	1,055.00
72-RA-C-58	GX-3R for LEL/O2/CO/H2S bundled with RP-3R, 10' hose & p	robe,
	100-240 VAC charger, screwdriver and carrying case	1,080.00
72-RA-C-59	GX-3R for LEL/O2/CO/H2S bundled with RP-3R, 10' hose & p	robe,
	100-240 VAC charger, 34AL cylinder CH4/O2/H2S/CO, 0.25 I	LPM regulator,
	tubing, screwdriver, and carrying case	1,475.00



72-RA-C-59

### **GX-3R Calibration Kits**

Instrument #	Cal-Kit Part #	Cal-Kit Description	Price
72-RA-C 72-RB-C 72-RC-C 72-RG-C 72-RI-C	81-GX3RHSCO-LV	Cal kit, GX-3R / GX-3R Pro, 34AL cyl H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, regulator 0.25 LPM, case & tubing	365.00
	81-GX3RHSCO	Cal kit, GX-3R / GX-3R Pro, 58AL cyl H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, regulator 0.25 LPM, case & tubing	425.00
	81-GX3RHSCO-116	Cal kit, GX-3R / GX-3R Pro, 116 AL cyl H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, regulator 0.25 LPM, case & tubing	525.00
	81-GX3RCO	Cal kit, GX-3R / GX-3R Pro, 103L cyl CO 50 ppm / CH4 50% LEL / O2 12% in N2, regulator 0.25 LPM, case & tubing	380.00
	81-GX3RCO-LV	Cal kit, GX-3R / GX-3R Pro, 34L cyl CO 50 ppm / CH4 50% LEL / O2 12% in N2, regulator 0.25 LPM, case & tubing	255.00

### **GX-3R Replacement Sensors**

Part#	<u>Description</u>	Suggested Retail	4	Application .
NCR-6309	Sensor, LEL for GX-3R/GX-3R Pro		LEL 1	Accor.
ESR-X13P	Sensor, O2 for GX-3R/GX-3R Pro		NCR-6309	x da
ESR-A1DP	Sensor, H2S/CO combination for GX-3R/GX-3	R Pro 250.00		
ESR-A1CP	Sensor, CO with H2 compensated for GX-3R/G	GX-3R Pro		02
ESR-A13P	Sensor, CO for GX-3R/GX-3R Pro		O2	
ESR-A13i	Sensor, H2S for GX-3R/GX-3R Pro		ESR-X13P	SR-X13P 277 05 0064
			H2S/CO ESR-A1DP	<b>AD</b>

### **GX-3R Replacement Parts & Accessories**

Part#	<u>Description</u> <u>Sugge</u>	sted Retai
13-0112RK	Wrist strap	4.00
13-0124	Alligator clip with installation screw for GX-3R/GX-3R Pro	26.00
13-0125	Belt clip with installation screws for GX-3R/GX-3R Pro	28.00
20-0112RK-01	Padded carrying case for GX-3R, GX-3R Pro, or GX-2009 aspirator kit	62.00
20-0112RK-02	Padded carrying case for GX-3R, GX-3R Pro, or GX-2009, aspirator, and cal kit.	160.00
20-0115RK-01	Padded carrying case for one GX-3R, GX-3R Pro, GX-2009 or 03 series instrument and charger only	48.00
20-0332	Rubber boot for GX-3R	
20-0333	Leather case for GX-3R	88.00
20-0334	Heat resistant case for GX-3R	120.00
21-1950	LCD protection film for GX-3R/GX-3R Pro	6.00
21-1950-05	LCD protection film for GX-3R, pack of 5	26.00
33-0181	Dust filter for sensors, GX-3R, single filter	10.00
33-0181-10	Dust filter for sensors, GX-3R, pack of 10	88.00
33-0553	Buzzer protection cover for GX-3R	6.60
33-7130	Scrubber disk filter for H2S/CO sensor (5pcs/pack)	26.00
33-7131	Scrubber disk filter for combustible sensor, CF-6309 (5pcs/pack)	26.00
33-7132	Scrubber disk filter, charcoal, for CO & H2 comp CO sensor, CF-A1CP (5pcs/pack)	26.00
33-7133	Humidity filter disk for H2S sensor, CF-A13i (pack of 5)	38.00
47-5093	USB to IrDA adapter with cable and CD	80.00
49-0133	AC adapter, 100 - 240 VAC, 5.99 VDC 2A, for GX-3R/GX-3R Pro	90.00
49-0134	Multi-unit AC adapter, 100 - 240 VAC (5.99 VDC out) for GX-3R/GX-3R Pro	175.00
65-7004	Dummy sensor for GX-3R/GX-3R Pro	5.00
71-0477	Manual for GX-3R	0.00
81-0090RK-01	Cylinder, CO 50 ppm / Methane 50% LEL / O2 12 % in N2, 34L	55.00
81-0090RK-03	Cylinder, CO 50 ppm / Methane 50% LEL / O2 12 % in N2, 103L	195.00
81-0154RK-02	Cylinder, H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, 58AL	240.00
81-0154RK-04	Cylinder, H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, 34AL	165.00
81-0154RK-06	Bump test cylinder, H2S 40 ppm / CO 100 ppm / Methane 50% LEL / O2 12% in N2, 11AL aerosol	55.00
81-0154RK-116	Cylinder, H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, 116AL	340.00
81-1050RK-25	Regulator, with gauge & knob, 17/34L, 0.25 LPM	125.00
81-1051RK-25	Regulator, with gauge and knob, 34AL/58AL/103L, 0.25 LPM	125.00
81-1161	Hand aspirated sample adapter for GX-3R with 10' hose	
81-1192	Calibration adapter for GX-3R	6.00
81-1197	RP-3R pump with tapered red nozzle for GX-3R	360.00
81-1198	RP-3R pump with 10 ft hose, 10 inch probe, and tapered red nozzle for GX-3R	420.00

### RP-3R Sample Drawing Pump For GX-3R

All pumps include a 4" tapered red nozzle for sampling and attach onto the GX-3R. Some versions also include a 10' hose (30' max), and a probe for remote sampling. All RP-3R pumps include built-in dust and hydrophobic filters, and one "AA" alkaline battery.

Part#	Description	<b>Suggested Retail</b>
81-1197	RP-3R pump with tapered red nozzle for GX-3R	360.00
81-1198	RP-3R pump with 10 ft hose, 10 inch probe, and tapered red	nozzle
	for GX-3R	420.00
81-1198-20	RP-3R pump with 20 ft hose, 10 inch probe, and tapered red	nozzle
	for GX-3R	425.00



### **SDM-3R Calibration Station**

Part#	<u>Description</u>	<b>Suggested Retail</b>
81-SDM3R101	SDM-3R calibration station with 1 solenoid, AC adapter, flash	drive,
	USB cable, and tubing	1,300.00
81-SDM3R102	SDM-3R calibration station with 1 solenoid, demand flow regi	ulator,
	AC adapter, flash drive, USB cable, and tubing	1,580.00
81-SDM3R103	SDM-3R calibration station with 1 solenoid, demand flow regi	ulator,
	58AL cyl H2S/CO/CH4/O2, cylinder holder, AC adapter, flash d	lrive,
	USB cable, and tubing	1,835.00
81-SDM3R104	SDM-3R calibration station with 1 solenoid, demand flow regu	ulator,
	34AL cyl H2S/CO/CH4/O2, cylinder holder, AC adapter, flash d	lrive,
	USB cable, and tubing	1,760.00





### **SMALLEST & LIGHTEST 5 GAS MONITOR**

### Gas Detection For Life

### **GX-3R Pro Model**



# 5 Gas Monitor

### **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
- LEL, O2, H2S, CO, and other optional sensors
- H2 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
  - Confined spaces
- Refineries/petrochemical
- Utilities

- Oil and Gas
- Water/wastewater
- Fire services
- 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, O2, CO, & H2S, 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.



### **GX-3R Pro Model**

	Detectable Gases Common Specifications							
	as	Measuring Range (Increments)	Accuracy Statement	Preset Alarms	Sampling Method	Diffusion sampling standard (hand aspirator or clip-on motorized pump optional)		
Senso	or Slot	1: Carbon Monoxide (Co	O) & Hydrogen sulf	· ,	Display	Full dot LCD	with Autobac	klight
00		0 ~ 2000 ppm (1 ppm)	± 5% of reading or ± 5 ppm CO	A1: 25 ppm   A2: 50 ppm A3:1200 ppm   TWA: 25 ppm	-17	and Autorotat		ıble Alarm
H2S / C	Dual EC	0 ~ 200.0 ppm (0.1 ppm)	± 5% of reading or ± 2 ppm H2S	STEL: 200 ppm  A1: 5 ppm   A2: 30 ppm A3: 100 ppm   TWA: 1.0 ppm STEL: 5.0 ppm		• 2 increasing alarms • STEL • TWA	• Sens disco • Low • Circu	or nnection battery iit error
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   TWA: 1.0 ppm STEL: 5.0 ppm	Alarm Types	<ul> <li>Overscale alarm</li> <li>O2 decreasing/increasing</li> </ul>	• Cal o	ration e error or bump alarm
Compensated	EC	0 ~ 2,000 ppm	± 5% of reading or ± 2 ppm CO	A1: 25 ppm   A2: 50 ppm A3: 1200 ppm   TWA: 25 ppm STEL: 200 ppm		Man Down     Panic Alarm      Gas Alarm	n	ble Alarm
H2 (						Flashing LED's	• Flash LED'	
Senso		2: Combustibles (Metha	ne as standard)		Display of Alarm	Continuous     buzzer (100)	• Inter	nittent er (95
CH4 / HC	Catalytic	0 ~ LEL (1% LEL)	± 5% of reading or ± 2 % LEL	1st: 10% LEL   2nd: 25% LEL 3rd: 50% LEL   Over:100% LEL	- Display of Alariii	db @ 30cm • Flashing ga value • Vibration	i) db @	30cm) ay or
Senso	or Slot	3: Oxygen (O2)				-20°C ~ +50°C		
05	EC	0 ~ 40.0% Vol. (0.10%)	± 0.5% O2	Low 1: 19.5%   Low 2: 18.0% High: 23.5%   Over: 40.0%	Operating Temp. &	[ -4°F ~ +122°F ] 10 to 90% RH, non-condensing (continuous environment)		nsing
Senso	or Slot	4: Toxics & CO2		*Interchangeable	Humidity	-40°C ~ +60°C		
802	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	Daniel Time	0 to 95% RH, (temporary er	non-conden nvironment)	sing
%	(6)	0 ~ 10.0% Vol.		A1: 0.50% Vol.   A2: 3.00% Vol.	Response Time	Within 30 sec	Li-ion	Alkaline
C02	3 4 <i>UG 20</i> :	(0.01%)	± 5% of reading	A3: 4.00% Vol.   TWA: 0.50% Vol. STEL: 3.00% Vol.	Power Source	4-gas + EC	25 hours	16 hours
сог ррт	IR (Available AUG 2019)	0 ~ 10,000 ppm (20 ppm)	or ± 2 ppm	A1: 5,000 ppm   A2: N/A TWA: N/A   STEL: N/A	Dimension & Weight	4-gas + IR 2.9" W x 2.6" (Approx. 73 V 4.58oz (with r	V x 65 H x 26	7 hours D mm),
		ation Station DM-3R	Clip-C	On Sampling Pump	Case Material	Explosion pro resistant to IP Drop height 2	-66/68 (2m,1	
	j	<b>a</b>			Bluetooth Communication	BLE: with iOS RK Link	and Androic	phone app:
				203 000	Datalogging  Logs user ID, station ID, Calibration & Bump Test history, Alarm Events & Alarm Trends			
				COMPANIA STATE OF THE STATE OF	Standard Accessories	Alligator clip, protective rubber boot, charger, calibration adapter		
*Specifi	cations :	subject to change without	notice	no and the second secon	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		le, 10' 'hose g cable
					Safety Design / Approvals	Hand aspira     ATEX, CSA (F		
						Three years r		vorkmanship
					Warranty	including sens		- stolk



(800) 754-5165 www.rkiinstruments.com

### **Authorized Distributor:**

### **GX-3R Pro Five Gas Personal Monitor**

**Base Instrument** 

**4 Gas Sensors** 

Step 1

**Toxic Sensor** 

**Battery** 

72 - P

Step 2

Step 3

**4 Gas Sensors** \$795

**Toxic Sensor** \$250

**Battery** 

\$100

\$1,145

**Total List Price** 

Above Example:

72-PAC-C

GX-3R Pro for LEL / O2 / combo H2S & CO / SO2

with Li-lon battery pack including 100-240 VAC charger ......\$1,145.00

000

### Step 1

### Standard 4 gas sensors

Χ	No 4 gas sensors	695.00
Α	LEL / O2 / combo H2S / CO	795.00
В	LEL / O2 / H2S / CO (individual CO and H2S sensors)	845.00
C	LEL / O2 / H2S / CO (H2 compensated CO sensor)	870.00
D	LEL / O2 / H2S	795.00
Е	LEL / O2 / CO	795.00
F	LEL / O2 / CO (H2 compensated CO sensor)	820.00
G	LEL / combo H2S / CO	770.00
Н	O2 / combo H2S / CO	770.00
1	LEL / O2	745.00
J	LEL / H2S	770.00
K	LEL / CO	770.00
L	LEL / CO (H2 compensated CO sensor)	795.00
М	O2 / CO (H2 compensated CO sensor)	795.00
N	combo H2S / CO	745.00
0	LEL	720.00
Р	02	720.00
Q	H2S	745.00
R	СО	745.00
S	CO (H2 compensated CO sensor)	770.00

### Step 2

### **Toxic Sensors**

(Note: if B or C is selected in Step 1, Step 2 is X)

Χ	No additional toxic sensor	0.00
Α	CO2, 10,000 ppm, IR	400.00
В	CO2, 10% volume, IR (ETA TBD)	400.00
C	SO2, 100 ppm	250.00

### Step 3

### **Battery options**

	All1:	0.00
Α	Alkaline battery pack only	0.00
В	Alkaline and Li-lon battery pack with 100-240 VAC Charger	200.00
С	Li-Ion battery pack with 100-240 VAC Charger	100.00
E	Li-lon battery pack only (No charger)	-50.00

### **Instrument Price Includes**

13-0112RK	Wrist strap	4.00
81-1192	Calibration adapter for GX-3R	6.00
20-0332	Rubber boot for GX-3R	18.00

### **GX-3R Pro Common Configurations**

Part#	<u>Description</u> <u>Su</u>	uggested Retail
72-PAA-C	GX-3R Pro, 5 gas, LEL / O2 / combo H2S & CO / ppm CO2 with 100-240 VAC charger	1,295.00
72-PAB-C	GX-3R Pro, 5 gas, LEL / O2 / combo H2S & CO / % CO2 with 100-240 VAC charger	1,295.00
72-PAC-C	GX-3R Pro, 5 gas, LEL / O2 / combo H2S & CO / SO2 100 ppm with Li-lon battery pack including	
	100-240 VAC charger	1,145.00
72-PAX-C	GX-3R Pro, 4 gas, LEL / O2 / combo H2S & CO with Li-lon battery & 100-240 VAC charger	895.00
72-PCX-C	GX-3R Pro, 4 gas, LEL / O2 / H2S / CO (H2 compensated) with 100-240 VAC charger	970.00

### GX-3R Pro Instrument Bundles (Instrument & Charger Included)

### 100-240 VAC Versions

Part#	<u>Description</u> <u>Suggested Retail</u>
72-PAC-C-50	GX-3R Pro, 5 gas, LEL / O2 / combo H2S & CO / SO2 100 ppm with Li-lon battery pack & 100-240 VAC
	charger, screwdriver and carrying case
72-PAC-C-56	GX-3R Pro, 5 gas, LEL / O2 / combo H2S & CO / SO2 100 ppm bundled with 34AL cylinder
	SO2/H2S/CO/O2/LEL, 0.25 LPM regulator, Li-lon battery pack & 100-240 VAC charger,
	tubing, screwdriver, and carrying case
72-PAC-C-58	GX-3R Pro, 5 gas, LEL / O2 / combo H2S & CO / SO2 100 ppm bundled with RP-3R, 10' hose & probe,
	Li-lon battery pack & 100-240 VAC charger
72-PAX-C-50	GX-3R Pro, 4 gas, LEL / O2 / combo H2S & CO with Li-lon battery & 100-240 VAC charger, screwdriver
	and carrying case
72-PAX-C-56	GX-3R Pro, 4 gas, LEL / O2 / combo H2S & CO bundled with 34AL cylinder CH4/O2/H2S/CO,
	0.25 LPM regulator, Li-lon battery & 100-240 VAC charger, tubing, screwdriver, and carrying case 1,355.00
72-PAX-C-58	GX-3R Pro, 4 gas, LEL / O2 / combo H2S & CO bundled with with RP-3R, 10' hose & probe,
	Li-lon battery & 100-240 VAC charger

### **GX-3R Pro Calibration Kits**

Instrument #	Cal-Kit Part #	Cal-Kit Description	Price
72-PAA-C	81-PAA	Cal kit, GX-3R Pro, 58AL cyl H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, 103L cyl 5,000 ppm CO2 in N2, regulator 0.25 LPM, case & tubing	580.00
72-PAA-C	81-PAA-LV	Cal kit, GX-3R Pro, 34AL cyl H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, 34L cyl 5,000 ppm CO2 in N2, two regulators 0.25 LPM, case & tubing	495.00
72 DAD C	81-PAB-LV	Cal kit, GX-3R Pro, 34AL cyl H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, 34L cyl 2.5% vol CO2 in N2, two regulators 0.25 LPM, case & tubing	495.00
72-PAB-C	81-PAB	Cal kit, GX-3R Pro, 58AL cyl H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, 103L cyl 2.5% vol CO2 in N2, regulator 0.25 LPM, case & tubing	580.00
72-PAC-C	81-PAC	Cal kit, GX-3R Pro, 58AL cyl SO2 5 ppm / H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, regulator 0.25 LPM, case & tubing	445.00
72-PAX-C 72-PBX-C	81-GX3RHSCO	Cal kit, GX-3R / GX-3R Pro, 58AL cyl H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, regulator 0.25 LPM, case & tubing	425.00
72-PCX-C 72-PDX-C 72-PGX-C	81-GX3RHSCO-LV	Cal kit, GX-3R / GX-3R Pro, 34AL cyl H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, regulator 0.25 LPM, case & tubing	365.00
72-PGX-C 72-PHX-C 72-PJX-C	81-GX3RHSCO-116	Cal kit, GX-3R / GX-3R Pro, 116AL cyl H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, regulator 0.25 LPM, case & tubing	525.00
72-PEX-C 72-PFX-C	81-GX3RCO	Cal kit, GX-3R / GX-3R Pro, 103L cyl CO 50 ppm / CH4 50% LEL / O2 12% in N2, regulator 0.25 LPM, case & tubing	380.00
72-PIX-C 72-PKX-C	81-GX3RCO-LV	Cal kit, GX-3R / GX-3R Pro, 34L cyl CO 50 ppm / CH4 50% LEL / O2 12% in N2, regulator 0.25 LPM, case & tubing	255.00
	81-PPA	Cal kit, GX-3R Pro, 103L cyl 5,000 ppm CO2 in N2, regulator 0.25 LPM, case & tubing	340.00
72-PPA-C	81-PPA-LV	Cal kit, GX-3R Pro, 34L cyl 5,000 ppm CO2 in N2, regulator 0.25 LPM, case & tubing	255.00

### **GX-3R Pro Replacement Sensors**

Part#	<u>Description</u>	Suggested Retail
NCR-6309	Sensor, LEL for GX-3R/GX-3R Pro	150.00
IRR-0433	Sensor, CO2, 0-10,000 ppm for GX-3R Pro	400.00
IRR-0409	Sensor, CO2, 0-10% volume for GX-3R Pro	400.00
ESR-X13P	Sensor, O2 for GX-3R/GX-3R Pro	150.00
ESR-A1DP	Sensor, H2S/CO combination for GX-3R/GX-3R Pro	250.00
ESR-A1CP	Sensor, CO with H2 compensated for GX-3R/GX-3R Pro	250.00
ESR-A13P	Sensor, CO for GX-3R/GX-3R Pro	150.00
ESR-A13i	Sensor, H2S for GX-3R/GX-3R Pro	150.00
ESR-A13D	Sensor, SO2 for GX-3R Pro	250.00





LEL NCR-6309

ESR-X13P





H2S/CO ESR-A1DP

*SO2* ESR-A13D



### **GX-3R Pro Replacement Parts & Accessories**

Part#	<u>Description</u>	Suggested Retail
13-0112RK	Wrist strap	4.00
13-0124	Alligator clip with installation screw for GX-3R/GX-3R Pro	26.00
13-0125	Belt clip with installation screws for GX-3R/GX-3R Pro	28.00
20-0335	Rubber boot for GX-3R Pro	18.00
20-0336	Heat resistant case for GX-3R Pro	88.00
20-0337	Leather case for GX-3R Pro	120.00
21-1950	LCD protection film for GX-3R/GX-3R Pro	6.00
21-1950-05	LCD protection film for GX-3R, pack of 5	26.00
29-0699	Sensor case label for GX-3R Pro, Toxic 2 / LEL / O2 / Toxic	1.00
29-0700	Sensor case label for GX-3R Pro, CO/H2S / LEL / O2 / Toxic	1.00
33-0182	Sensor dust filters for GX-3R Pro, single filter	10.00
33-0182-10	Sensor dust filters for GX-3R Pro, pack of 10	88.00
33-0554	Buzzer protection cover for GX-3R Pro	6.60
33-7130	Scrubber disk filter for H2S/CO sensor (5pcs/pack)	26.00
33-7131	Scrubber disk filter for combustible sensor, CF-6309 (5pcs/pack)	
33-7132	Scrubber disk filter, charcoal, for CO & H2 comp CO sensor, CF-A1CP (5pcs/pack)	26.00
33-7133	Humidity filter disk for H2S sensor, CF-A13i (pack of 5)	
47-5093	USB to IrDA adapter with cable and CD	
49-0133	AC adapter, 100 - 240 VAC, 5.99 VDC 2A, for GX-3R/GX-3R Pro	
49-0134	Multi-unit AC adapter, 100 - 240 VAC (5.99 VDC out) for GX-3R/GX-3R Pro	
49-1625	Li-lon battery pack, BUL-3R, for GX-3R Pro	
49-1626	Battery pack, alkaline, BUD-3R, for GX-3R Pro	
65-7004	Dummy sensor for GX-3R/GX-3R Pro	
71-0478	Manual for GX-3R Pro	
81-0071RK-01	Cylinder, CO2, 5000 ppm in N2, 34L	
81-0071RK-03	Cylinder, CO2, 5000 ppm in N2, 103L	
81-0072RK-01	Cylinder, CO2, 2.5% in N2, 34L	
81-0072RK-03	Cylinder, CO2, 2.5% in N2, 103L	
81-0090RK-01	Cylinder, CO 50 ppm / Methane 50% LEL / O2 12 % in N2, 34L	
81-0090RK-03	Cylinder, CO 50 ppm / Methane 50% LEL / O2 12 % in N2, 103L	
81-0142RK-02	Cylinder, SO2 5 PPM / H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, 58AL	
81-0142RK-04	Cylinder, SO2 5 PPM / H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, 34AL	
81-0154RK-02	Cylinder, H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, 58AL	
81-0154RK-04	Cylinder, H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, 34AL	
81-0154RK-06	Bump test cylinder, H2S 40 ppm / CO 100 ppm / Methane 50% LEL / O2 12% in N2, 11AL aerosol	
81-0154RK-116	Cylinder, H2S 25 ppm / CO 50 ppm / CH4 50% LEL / O2 12% in N2, 116AL	
81-1050RK-25	Regulator, with gauge & knob, 17/34L, 0.25 LPM	
81-1051RK-25	Regulator, with gauge and knob, 34AL/58AL/103L, 0.25 LPM	
81-1162	Hand aspirated sample adapter for GX-3R Pro with 10' hose	
81-1193	Calibration adapter for GX-3R Pro	
81-1199	RP-3R Pro pump with tapered red nozzle for GX-3R Pro	
81-1200	RP-3R Pro pump with 10 ft hose, 10 inch probe, and tapered red nozzle for GX-3R Pro	
- · · <del>- · ·</del>		120.00

### RP-3R Sample Drawing Pump For GX-3R Pro

All pumps include a 4" tapered red nozzle for sampling and attach onto the GX-3R Pro. Some versions also include a 10' hose (30' max), and a probe for remote sampling. All RP-3R pumps include built-in dust and hydrophobic filters, and one "AA" alkaline battery.

Part#	<u>Description</u>	<b>Suggested Retail</b>
81-1199	RP-3R Pro pump with tapered red nozzle for GX-3R Pro	360.00
81-1200	RP-3R Pro pump with 10 ft hose, 10 inch probe, and tapered	red nozzle
	for GX-3R Pro	420.00
81-1200-20	RP-3R Pro pump with 20 ft hose, 10 inch probe, and tapered	red nozzle
	for GX-3R Pro	425.00



### **SDM-3R Calibration Station**

Part# Single Solenoid for o		Suggested Retail
-	•	
81-SDM3R101	SDM-3R calibration station with 1 solenoid, AC adapter, flash d	rive,
	USB cable, and tubing	1,300.00
81-SDM3R102	SDM-3R calibration station with 1 solenoid, demand flow regul	lator,
	AC adapter, flash drive, USB cable, and tubing	1,580.00
81-SDM3R103	SDM-3R calibration station with 1 solenoid, demand flow regul	lator,
	58AL cyl H2S/CO/CH4/O2, cylinder holder, AC adapter, flash dr	ive,
	USB cable, and tubing	1,835.00
81-SDM3R104	SDM-3R calibration station with 1 solenoid, demand flow regul	lator,
	34AL cyl H2S/CO/CH4/O2, cylinder holder, AC adapter, flash dr	ive,
	USB cable, and tubing	1,760.00



SDM-3R

TWO Solemonds for TW	o Cymraer mpats	
81-SDM3R201	SDM-3R calibration station with 2 solenoids, AC adapter, flash drive, USB cable, and tubing	1,450.00
81-SDM3R202	SDM-3R calibration station with 2 solenoids, demand flow regulator, AC adapter, flash drive,	
	USB cable, and tubing	1,730.00
81-SDM3R203	SDM-3R calibration station with 2 solenoid, demand flow regulator, 58AL cyl H2S/CO/CH4/O2,	
	cylinder holder, AC adapter, flash drive, USB cable, and tubing	1,985.00
81-SDM3R204	SDM-3R calibration station with 2 solenoid, demand flow regulator, 34AL cyl H2S/CO/CH4/O2,	
	cylinder holder, AC adapter, flash drive, USB cable, and tubing	1,910.00

### Three Solenoids for Three Cylinder Inputs

81-SDM3R301

81-SDM3R302

	USB cable, and tubing	1,880.00
81-SDM3R303	SDM-3R calibration station with 3 solenoid, demand flow regulator, 58AL cyl H2S/CO/CH4/O2,	
	cylinder holder, AC adapter, flash drive, USB cable, and tubing	2,135.00
81-SDM3R304	SDM-3R calibration station with 3 solenoid, demand flow regulator, 34AL cyl H2S/CO/CH4/O2,	
	cylinder holder, AC adapter, flash drive, USB cable, and tubing	2,060.00

SDM-3R calibration station with 3 solenoids, demand flow regulator, AC adapter, flash drive,

SDM-3R calibration station with 3 solenoids, AC adapter, flash drive, USB cable, and tubing ........... 1,600.00



### GX-3R/GX-3R PRO QUANTITY DISCOUNT PROGRAM

For US and Canadian distributors. Effective date: May 1st, 2019

RKI is committed to supporting all of our Distributor Partners' stocking needs with quantity-based discounts. When you place an order for any GX-3R or GX-3R Pro instrument that has one "ship to" location, the following discounts will automatically apply based on the quantity ordered.

Combining GX-3R and GX-3R Pro models is not permitted with the Quantity Discount Program. These discounts supersede all previous schedules or special pricing offers.





### **Instrument Discounts**

For instrument only purchases, the following discounts apply. Each order must ship complete to one location.

Order Quantity	Discount
1 – 9	30%
10 – 24	35%
25 - 49	38%
50 >	40%

### **Instruments Bundled with Accessories Discount**

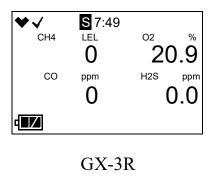
For part numbers where a GX-3R is bundled with accessories, the following discounts apply. For example part# 72-RA-C is a GX-3R with a charger and carrying case. This part # will receive the following quantity discounts.

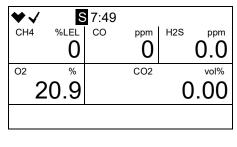
<b>Order Quantity</b>	Discount
1 - 9	30%
10 >	35%

These quantity discounts are applied to one line item that ships to one location. Contact your regional sales manager for further information.

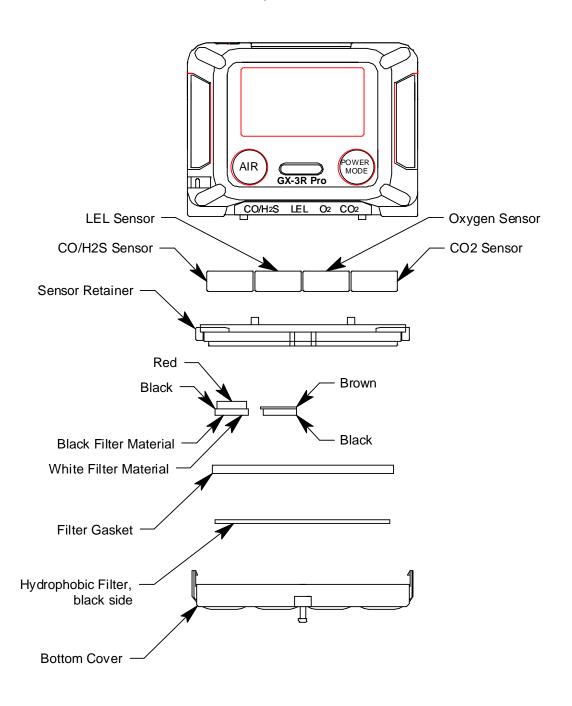
# GX-3R, GX-3R Pro, SDM-3R Applications Training

### **Chapter 2: Instrument**





GX-3R Pro



### **Chapter 3: Display Mode**

**Table 5: Display Mode Menu Items** 

Display Mode Menu Item	Description		
PEAK	Displays the Peak readings for each sensor.		
STEL	Displays the STEL readings (C	CO, H <sub>2</sub> S, and CO <sub>2</sub> /super toxic only).	
TWA	Displays the TWA readings (C	O, H <sub>2</sub> S, and CO <sub>2</sub> /super toxic only).	
HC GAS LIST	Change the target gas for the ca	atalytic sensor.	
A	<ul> <li>CH4 (methane)</li> <li>i-C4H10 (isobutane)</li> <li>H2 (hydrogen)</li> <li>CH3OH (methanol)</li> <li>C2H2 (acetylene)</li> <li>C2H4 (ethylene)</li> <li>C2H6 (ethane)</li> <li>C3H6 (propylene)</li> <li>C3H6 (acetone)</li> <li>C3H8 (propane)</li> <li>C4H6 (butyne)</li> <li>C5H10 (cyclopentane)</li> </ul>	<ul> <li>C6H6 (benzene)</li> <li>n-C6H14 (hexane)</li> <li>C7H8 (toluene)</li> <li>n-C7H16 (heptane)</li> <li>C8H10 (xylene)</li> <li>n-C9H20 (nonane)</li> <li>EtAc (ethyl acetate)</li> <li>IPA (isopropyl alcohol)</li> <li>MEK (methyl ethyl ketone)</li> <li>MMA (methyl methacrylate)</li> <li>DME (dimethyl ether)</li> <li>MIBK (methyl isobutyl ketone)</li> <li>THF (tetrahydrofuran)</li> </ul>	
USER ID B	View and/or change the User ID.		
STATION ID B	View and/or change the Station ID.		
CAL DATA C	Displays the last calibration date for each sensor.		
BUMP DATA D	Displays the last bump test date for each sensor.		
DATE	Displays the current date, time	, and temperature.	
ALARM POINTS	View alarm points		
INVERT SELECT (Pro only) A	ON: The LCD stays upside down relative to the instrument.  AUTO: The LCD automatically flips as the instrument is rotated to remain readable whether the instrument is right side up or upside down.  OFF (factory setting): The LCD stays right side up relative to the instrument.		
LCD BACK- GROUND (Pro only) <sup>A</sup>	ON: LCD has black background with white characters.  OFF (factory setting): LCD has white background with black characters.		
BLUETOOTH (Pro only) A	ON: Turns Bluetooth functionality on. OFF (factory setting): Turns Bluetooth functionality off.		

**Table 5: Display Mode Menu Items** 

Display Mode Menu Item	Description
BUZZER VOLUME (Pro only) A	HIGH (factory setting): Buzzer volume is high. LOW: Buzzer volume is low.
LANGUAGE (Pro only) <sup>E</sup>	Change the language of the instrument back to English if something other than English was selected in User Mode.

 $<sup>^{</sup>A}$  Only appears if D MODE SETTING is set to ON in User Mode (factory setting).

<sup>&</sup>lt;sup>B</sup> Only appears if **D** MODE SETTING is set to **O**N in User Mode (factory setting) <u>and</u> if **ID** DISPLAY is set to **O**N in Maintenance Mode (factory setting is **OFF**).

<sup>&</sup>lt;sup>C</sup> Only appears if CAL REMINDER is set to ON in User Mode (factory setting).

D Only appears if BUMP REMINDER is set to ON in User Mode (factory setting is OFF).

E Only appears if LANGUAGE is set to something other than ENGLISH in Maintenance Mode.

### **Chapter 4: User Mode and Calibration**

1 beep, 0405 (if on, default is off).

**Table 6: User Mode Menu Items** 

User Mode Menu Item	Description			
BUMP TEST	Perform a bump test.			
GAS CAL	Perform a fresh air tration, set the cyli	air adjustment, perform a span adjustment, change the calibration gas concen- ylinder group.		
	AIR CAL	Perform a fresh a	air adjustment.	
	CO2 ZERO CAL	Perform a zero adjustment on the CO <sub>2</sub> channel using 100% nitrogen.		
	AUTO CAL	AUTO CAL CYL X	Perform an automatic span adjustment on the gases selected for Cylinder X (A-E cylinders available).	
		SETTING CAL-P	Set the calibration gas concentration for each gas.	
		CYL SETTING	Assign a cylinder (A-E) to each gas (standard 4 gases set to Cylinder A, toxic set to Cylinder D, IR set to Cylinder E is the default). For single cal operation, you would assign each gas its own cylinder.	
		ESCAPE	Return to the AUTO CAL menu item.	
	ESCAPE	Return to the GAS CAL menu item.		
CAL SETTING	Change parameters	Change parameters related to calibration.		
	CAL REMINDER	ON (factory setting): The instrument will notify the user upon startup when a calibration is due. Notification type depends on CAL EXPD setting below.  OFF: No notification upon startup when a calibration is due.		
	CAL INTERVAL	How often the instrument needs to be calibrated. Options: 1 - 1000 days (factory setting is 90 days)		
	CAL EXPIRED	Defines what action must be taken if a calibration is due upon startup.  CONFIRM TO USE (factory setting): Press and release POWER MODE to acknowledge that calibration is due and continue to Measuring Mode.  CANNOT USE: Cannot enter Measuring Mode until a successful calibration is performed.  NO EFFECT: A screen indicates that calibration is due but warmup sequence continues.		
	CAL CHECK GAS	ALL GAS (factory setting): Calibration dates for all gases are used to determine if calibration is due.  4 GAS: Calibration dates for only the standard 4 gases (LEL/O <sub>2</sub> /H <sub>2</sub> S/CO) are used to determine if calibration is due.		
	ESCAPE	Return to the CAL SETTING menu item in User Mode.		

**Table 6: User Mode Menu Items** 

User Mode Menu Item	Description		
BUMP SETTING	Change parameters related to bump testing.		
	BUMP PARAMETER	GAS TIME	How long gas is applied during a bump test. Choices: <b>30</b> (factory setting), <b>45</b> , <b>60</b> , <b>90</b> seconds
		TOLERANCE	Percentage of calibration gas concentration that the bump test reading must be within in order to pass bump.  Options: 10%, 20%, 30%, 40%, 50% (factory setting)
		CAL TIME	How long gas is applied during a calibration. GAS TIME is deducted from this time. Options: 90 (factory setting) or 120 seconds
		AUTO CAL	ON (factory setting): If a bump test fails, a calibration is automatically started.  OFF: If a bump test fails, a calibration is not automatically started.
		ESCAPE	Return to the BUMP PARAMETER menu item in BUMP SETTINGS.
	BUMP REMINDER	ON: The instrument will notify the user upon startup when a bump test is due. Notification type depends on <b>BUMP EXPIRED</b> setting below.  OFF (factory setting): No notification upon startup when a bump test is due.	
	BUMP INTERVAL	How often the instrument needs to be bump tested. Options: 0 - 30 days (factory setting is 30 days)	
	BUMP EXPIRED	Defines what action must be taken if a bump test is due upon startup.  CONFIRM TO USE (factory setting): Press and release POWER MODE to acknowledge that bump test is due and continue to Measuring Mode.  CANNOT USE: Cannot enter Measuring Mode until a successful bump test is performed.  NO EFFECT: A screen indicates that bump test is due but warmup sequence continues.	
	BUMP CHECK GAS	ALL GAS (factory setting): Bump test dates for all gases are used to determine if bump test is due.  4 GAS: Bump test dates for only the standard 4 gases (LEL/O <sub>2</sub> /H <sub>2</sub> S/CO) are used to determine if bump test is due.	
	ESCAPE	Return to the <b>BU</b>	MP SETTING menu item in User Mode.

**Table 6: User Mode Menu Items** 

User Mode Menu Item	Description		
MAN DOWN (Pro	Turn the man down and panic alarms on and off. Set the intervals for man down alarms.		
only)	MAN DOWN	ON: Man down alarm is triggered if the instrument does not detect motion during time period defined in WARNING 1 TIME, WARNING 2 TIME, and ALARM TIME below.  OFF (factory setting): No man down alarm triggered.  ON: Panic alarm can be triggered.  OFF (factory setting): Panic alarm cannot be triggered.  ALARM TIME ≥ WARNING 2 TIME ≥ WARNING 1 TIME	
	PANIC		
	MAN DOWN TIME		
	THVIL	WARNING 1 TIME	The amount of time that passes between a man down detection and the first warning alarm. Factory setting is <b>60</b> seconds.
		WARNING 2 TIME	The amount of time that passes between a man down detection and the second warning alarm. Factory setting is 75 seconds.
		ALARM TIME	The amount of time that passes between a man down detection and a man down alarm. Factory setting is <b>90</b> seconds.
	ESCAPE	Return to the MAN DOWN menu item.	
ALARM SETTING	Set alarm points for all channels (WARNING, ALARM, ALARM H, STEL, TWA) or reset all alarms to their default settings.		
LUNCH BREAK	<ul> <li>ON: Lunch break feature is on. Instrument will ask if you want to resume TWA and PEAK readings at startup.</li> <li>OFF (factory setting): Lunch break feature is off. Instrument resets TWA and PEAK readings every time it's turned on.</li> </ul>		

**Table 6: User Mode Menu Items** 

User Mode Menu Item	Description			
CONFIRMATION	Set confirmation beep parameters.			
	BEEP SELECT	LED: LEDs will flash and instrument will vibrate based on interval defined in BEEP INTERVAL to confirm instrument is still operating.  BUZZER: Buzzer will sound and instrument will vibrate based on interval defined in BEEP INTERVAL to confirm instrument is still operating.  LED+BUZZER: LEDs will flash, buzzer will sound, and instrument will vibrate based on interval defined in BEEP INTERVAL to confirm instrument is still operating.  BUMP/CAL: LEDs flash based on interval defined in BEEP INTERVAL if bump test or calibration is due.  ALARM ALERT: LEDs flash based on interval defined in BEEP INTERVAL if instrument goes into a gas alarm.  BUMP/CAL/ALARM: LEDs flash based on interval defined in BEEP INTERVAL if a) bump test is due, b) calibration is due, or c) instrument goes into a gas alarm.  OFF (factory setting): No alerts to confirm instrument is still operating or that a bump test or calibration are due.		
	BEEP INTERVAL	Confirmation alert interval. Confirmation type defined in <b>BEEP SELECT</b> .  Options: <b>0.5</b> minute and <b>1</b> to <b>99</b> minutes in 1 minute increments. Factory setting is <b>5</b> minutes.		
	ESCAPE	Return to the <b>CONFIRMATION</b> menu item in User Mode.		
AUTO BACKLIGHT (Pro only)	ON (factory setting): The instrument's backlight automatically turns on in a low light environment.  OFF: The instrument's backlight will not automatically turn on in a low light environment.			
BACKLIGHT TIME	How long the back light stays on after the last button press.  Options: <b>0</b> - <b>255</b> seconds or <b>OFF</b> . The factory setting is 30 seconds.			
KEY TONE	ON (factory setting): Buzzer will sound when button is pressed. OFF: Buzzer will not sound when button is pressed.			
D MODE SETTING	OFF: LIST, USER ID, STATION ID, INVERT SELECT (Pro only), LCD BACK-GROUND (Pro only), BLUETOOTH (Pro only), BUZZER VOLUME (Pro only), and LANGUAGE (Pro only) items do not appear in Display Mode.  ON (factory setting): LIST, INVERT SELECT (Pro only), LCD BACKGROUND (Pro only), BLUETOOTH (Pro only), BUZZER VOLUME (Pro only), and LANGUAGE (Pro only) items appear in Display Mode. USER ID and STATION ID screens appear if ID DISPLAY in Maintenance Mode is also set to ON.			
ZERO SUP- PRESS*	ON (factory setting LEL: 2% LEL O <sub>2</sub> : 0.5% volume H <sub>2</sub> S: 0.3 ppm CO: 2 ppm CO <sub>2</sub> : 0 ppm SO <sub>2</sub> : 0.20 ppm	g): Not intended for field adjustment. The suppression values are:		
ZERO FOLLOWER **		eld adjustment. Factory setting is <b>ON</b> for all channels except oxygen. bes not support zero follower functionality.		

**Table 6: User Mode Menu Items** 

User Mode Menu Item	Description
IR UNIT SELECT (Pro only)***	Select the units for the IR CO <sub>2</sub> sensor. Options: vol% or ppm
CO2AIR SETTING (Pro only)***	ON: CO <sub>2</sub> channel is set to 400 ppm (0.04% volume) when performing a demand zero, auto zero, or AIR CAL.  OFF (factory setting): CO <sub>2</sub> channel is not adjusted during a demand zero, auto zero, or AIR CAL.
DATE	Set the current date and time.
DATE FORMAT	MM/DD/YYYY (factory setting): month/day/year YYYY/MM/DD: year/month/day DD/MM/YYYY: day/month/year
LANGUAGE (Pro only)	Set the language of the instrument. Options: English (factory setting), Japanese, Italian, Spanish, German, French, Portuguese, Russian, Korean, Chinese (TC)
USER PASSWORD	ON: A password is needed to access User Mode. Factory-set password is 0405. OFF (factory setting): No password is needed to access User Mode.
ROM/SUM	View the firmware information for the GX-3R Pro's sensor board and main board.
RADIO STANDARD (Pro only)	Approval numbers for radio agencies.
START MEASURE	Press and release POWER MODE to begin the warmup sequence and enter Measuring Mode.

<sup>\*</sup> Only appears if **DISP ZERO SUP** is set to **ON** in Maintenance Mode.

### **BEEP SELECT**

**BEEP SELECT** defines what kind of confirmation or non-compliance indication you want to occur in Measuring Mode. The available choices are:

**OFF** (factory setting): The GX-3R Pro does not provide a confirmation alert or noncompliance indicator.

**LED**: The GX-3R Pro's LEDs double flash as often as defined by the **BEEP INTERVAL** parameter to verify that the instrument is operating.

**BUZZER**: The GX-3R Pro's buzzer double beeps as often as defined by the **BEEP INTERVAL** parameter to verify that the instrument is operating.

**LED+BUZZER**: The GX-3R Pro's LEDs double flash and the buzzer double beeps as often as defined by the **BEEP INTERVAL** parameter to verify that the instrument is operating.

<sup>\*\*</sup> Only appears if **DISP ZERO FLWR** is set to **ON** in Maintenance Mode.

<sup>\*\*\*</sup> Only appears in units with a  $CO_2$  sensor installed.

<u>BUMP/CAL</u>: If a bump test or a calibration is due and if **BUMP EXPIRED** or **CAL EXPIRED** is set to **CONFIRM TO USE** or **NO EFFECT**, the GX-3R Pro's LEDs double flash as often as defined by the **BEEP INTERVAL** parameter to indicate a noncompliance. Once a bump test or calibration (depending on which is due) is done, the LEDs will stop flashing.

<u>ALARM ALERT</u>: If the instrument goes into any gas alarm, the LEDs double flash as often as defined by the **BEEP INTERVAL** parameter to indicate a non-compliance. Once a successful bump test or calibration is done, the LEDs will stop flashing.

**NOTE:** Depending on the **Need to get Bump Log** setting (only accessed via SDM-3R program), a data download may also be needed to clear the non-compliance.

**BUMP/CAL/ALARM**: The LEDs double flash to indicate a non-compliance if any of the following happens.

- a. **BUMP EXPIRED** is set to **CONFIRM TO USE** or **NO EFFECT** and a bump test is due (cleared by successful bump test).
- b. **CAL EXPIRED** is set to **CONFIRM TO USE** or **NO EFFECT** and a calibration is due (cleared by successful calibration).
- c. The instrument goes into any gas alarm (cleared by successful bump test or calibration).

**NOTE:** Depending on the **Need to get Bump Log** setting (only accessed via SDM-3R program), a data download may also be needed to clear the gas alarm noncompliance.

### **Chapter 5: Maintenance Mode**

2 beeps, 8102.

**Table 7: Maintenance Mode Menu Items** 

Maintenance Mode Menu Item	Description					
GAS CAL	Perform an air a der group.	n air adjust, perform a calibration, change the calibration values, set the cylin-				
	AIR CAL	Perform a fresh air adjustment.				
	CO2 ZERO CAL*	Perform a zero adjustment on the CO <sub>2</sub> channel using 100% nitrogen.				
	AUTO CAL	Perform a gas calibration, set the calibration gas concentration, and so the cylinder for each gas.				
		AUTO CAL CYL A	Perform an automatic calibration on the gases selected for Cylinder A (standard 4 in this case).			
		SETTING CAL-P	Set the calibration gas concentration for each gas.			
		CYL SET- TING  Assign a cylinder (A-E) to each gas (standard 4 gases set to Cylinder A, toxic set to Cylinder D, IR set to Cinder E is the default). For single cal operation, you would assign each gas its own cylinder.				
		ESCAPE Return to the AUTO CAL menu item.				
	ESCAPE	Return to the GAS CAL menu item.				
GAS TEST	Apply gas to test being recorded.	Apply gas to test sensor response and observe alarm indications without an alarm event being recorded.				
SENSOR DATE			ach sensor and the battery and/or set the replacement date the current date.			
BUMP TEST	Perform a bump	test.				
LATCHING	ON (factory setting): The GX-3R Pro remains in alarm until the alarm condition passes and POWER MODE is pressed.  OFF: The GX-3R Pro automatically resets an alarm when the alarm condition passes.					
DEMAND ZERO	ON (factory setting): You can manually perform a fresh air adjust in Measuring Mode by pressing AIR.  OFF: You cannot manually perform a fresh air adjust in Measuring Mode by pressing AIR.					
AUTO ZERO	<u>ON</u> : The GX-3R Pro will ask if you want to perform a fresh air adjustment at the end of the startup sequence. <u>OFF (factory setting)</u> : The GX-3R Pro does not ask if you want to perform a fresh air adjustment at the end of the startup sequence.					

**Table 7: Maintenance Mode Menu Items** 

Maintenance Mode Menu Item	Description
ID DISPLAY	<ul> <li><u>ON</u>: User ID and Station ID screens appear in startup sequence. IDs can be changed in Display Mode. IDs can be edited in Display Mode if <b>D MODE SETTING</b> in User Mode is also set to <b>ON</b>.</li> <li><u>OFF (factory setting)</u>: User ID and Station ID screens do not appear in startup sequence. IDs cannot be changed in Display Mode.</li> </ul>
ZEROSUPPRESS	ON (factory setting): Not intended for field adjustment. The suppression values are:  LEL: 2% LEL  O2: 0.5% volume  H2S: 0.3 ppm  CO: 2 ppm  CO2: 0 ppm  SO2: 0.20 ppm
ZERO FOLLOWER	Not intended for field adjustment. Factory setting is <b>ON</b> for all channel except oxygen. Oxygen channel does not support zero follower functionality.
DISP ZERO SUP	ON: Zero suppression menu item appears in User Mode.  OFF (factory setting): Zero suppression menu item does not appear in User Mode.  (Zero suppression menu item is always available in Maintenance Mode)
DISP ZERO FLWR	ON: Zero follower menu item appears in User Mode.  OFF (factory setting): Zero follower menu item does not appear in User Mode.  (Zero follower menu item is always available in Maintenance Mode)
DATE	Set the current date and time.
DATE FORMAT (Pro only)	MM/DD/YYYY (factory setting): month/day/year YYYY/MM/DD: year/month/day DD/MM/YYYY: day/month/year
LANGUAGE (Pro only)	Set the language of the instrument. Options: English (factory setting), Japanese, Italian, Spanish, German, French, Portuguese, Russian, Korean, Chinese (TC)
MAINT PASSWORD	ON (factory setting): A password is needed to access Maintenance Mode. Factory-set password is 8102.  OFF: No password is needed to access Maintenance Mode.
ROM/SUM	View the firmware information for the GX-3R Pro's sensor board and main board.
LCD CON- TRAST (Pro only)	1-50 (factory setting 20)
M.DEFAULT	Set all parameters back to their RKI factory settings.
START MEA- SURE	Press and release POWER MODE to begin the warmup sequence and enter Measuring Mode.
* Only appears in u	nits with a $CO_2$ sensor installed.

### **Chapter 6: Gas Select Mode**

3 beeps, 2014.

**Table 8: Gas Select Mode Menu Items** 

Menu Item (Page # of Description)	Description
GAS COMBO	Turn channels on or off and changes target gas for each channel.
SET DEF ALM-P	Allows you to set the current alarm points as the default alarm points.
DISP MAX SPAN	ON: Maximum span screen appears after a successful calibration. OFF (factory setting): No maximum span screen appears.
STEALTH	STEALTH ON: No backlight, LED, or buzzer operation. STEALTH OFF (factory setting): Backlight, LED, and buzzer operate normally.
	This setting has no effect unless STEALTH is set to ON.  VIBRATION ON: Vibrator activates for alarm conditions.  VIBRATION OFF (factory setting): Vibrator does not activate in any situation.
CHANGE LEL	STANDARD (factory setting): Apply standard settings for lower explosive limit's ppm level.  IEC: Apply IEC settings for lower explosive limit's ppm level.  ISO: Apply ISO settings for lower explosive limit's ppm level.
START MEASURE	Enter Measuring Mode

**Table 9: Lower Explosive Limit ppm Levels** 

Gas	Standard (ppm)	IEC (ppm)	ISO (ppm)
Methane (CH4)	50,000	44,000	44,000
Isobutane (i-C4H10)	18,000	13,000	15,000
Hydrogen (H2)	40,000	40,000	40,000
Methanol (CH3OH)	55,000	60,000	60,000
Acetylene (C2H2)	15,000	23,000	23,000
Ethylene (C2H4)	27,000	23,000	24,000
Ethane (C2H6)	30,000	24,000	24,000
Ethanol (C2H5OH)	33,000	31,000	31,000
Propylene (C3H6)	20,000	20,000	18,000
Acetone (C3H6O)	21,500	25,000	25,000
Propane (C3H8)	20,000	17,000	17,000
Butadiene (C4H6)	11,000	14,000	14,000
Cyclopentane (C5H10)	14,000	14,000	14,000

**Table 9: Lower Explosive Limit ppm Levels** 

Gas	Standard (ppm)	IEC (ppm)	ISO (ppm)
Benzene (C6H6)	12,000	12,000	12,000
N-hexane (n-C6H14)	12,000	10,000	10,000
Toluene (C7H8)	12,000	10,000	10,000
N-heptane (n-C7H16)	11,000	8,500	8,000
Xylene (C8H10)	10,000	10,000	10,000
N-nonane (n-C9H20)	7,000	7,000	7,000
Ethyl acetate (EtAc)	21,000	20,000	20,000
Isopropyl alcohol (IPA)	20,000	20,000	20,000
Methyl ethyl ketone (MEK)	18,000	15,000	15,000
Methyl methacrylate (MMA)	17,000	17,000	17,000
Dimethyl ether (DME)	30,000	27,000	27,000
Methyl isobutyl ketone (MIBK)	12,000	12,000	12,000
Tetrahydrofuran (THK)	20,000	15,000	15,000

### **Chapter 7: Factory Mode**

3 beeps, 1994.

Menu Item (Page # of Description)	Description
GAS COMBO	Turn channels on or off and changes target gas for each channel.
DATE	Set the date/time.
DATE FORMAT (Pro only)	MM/DD/YYYY (factory setting): month/day/year YYYY/MM/DD: year/month/day DD/MM/YYYY: day/month/year
ROM/SUM	View the firmware information for the sensor board (Pro only) and main board.
A/D VALUE	View A/D values.
LCD CONTRAST (Pro only)	1-50 (factory setting 20)
SAVE DEFAULT	Save a file to default to when doing a <b>M.DEFAULT</b> operation in Maintenance Mode.
FACT DEFAULT	Set to RKK defaults.  • POWER MODE to enter.  • AIR and POWER MODE together to perform default.
START MEASURE	Enter Measuring Mode

### **Chapter 8: Quick Reference Modes/Passwords**

### **Instruments**

Display Mode: POWER MODE from normal op

User Mode: 1 beep, 0405

Maintenance Mode: 2 beeps, 8102 Gas Select Mode: 3 beeps, 2014 Factory Mode: 3 beeps, 1994

### **SDM-3R PC Program**

Instrument Edit Screen (right click instrument, **Edit**): 1939 SDM Edit Screen (right click on SDM, **Open SDM**): 8102

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### **Chapter 9: RK Link Phone App**

### **Installing the App**

Need a gmail account at least for now.

### **Important Notes**

- 1. Make sure no other Bluetooth devices connected to phone.
- 2. Make sure the phone's location services are turned on. If they're not, the coordinates in the email that gets sent will be useless.
- 3. For iPhones, open a browser, go to google, get into "manage google account", in the Sign-in and Security section, be sure that "Less secure apps" is turned on.

### **Changing GX-3R Pro Parameters**

The password is **0000**.

### **Email Format**

```
Occurrence Time: 4/30/19 15:51
Location:
               37.5995954,-122.0361591
           (https://www.google.co.jp/maps?q=37.5995954,-122.0361591)
Serial No.:
               86P360096
Manufacturing No.: 86P360096
Description: Remind:BUMP test deadline O2/H2S/CO2
User ID:
               KIMBERLY
Station ID:
             DESK
Device Name: GX-3RPro
                 CH4 O2 H2S CO
Gas Name:

        100%LEL
        40.0%
        200.0ppm
        2000ppm
        100000

        10%LEL
        18.0%
        1.0ppm
        25ppm
        5000ppm

        50%LEL
        18.0%
        10.0ppm
        50ppm
        5100ppm

Full Scale:
                                                                     100000ppm
Warning:
Alarm:
              50%LEL 25.0% 10.0ppm 50ppm 7500ppm
AlarmH
              ---- 5.0ppm 200ppm
STEL:
                                                            30000ppm
TWA:
                                 1.0ppm
                                             25ppm
                                                             5000ppm
Concentration: -
Owner Information: Test1
Company Name: Test2
Department Name: Test3
```

### **Chapter 10: SDM-3R Standalone**

**Table 10: Bump Parameters** 

Parameter	GX-3R Display Tag	GX-3R Pro Display Tag	Available Choices	Factory Setting
Pre-Sample Flush Time	AIR FL	AIR FLUSH	15 - 120 seconds in 1 second increments	15 seconds
Calibration Gas Sample Time	GAS TIME	GAS TIME	20 - 120 seconds in 1 second increments	20 seconds
Post-Sample Purge Time	AIR PG	AIR PURGE	5 - 120 seconds in 1 second increments	15 seconds
Bump Test Check Tolerance	TOLERANC	TOLERANCE	10% - 50% in 1% increments	50%
Automatic Calibration	AUTO CAL	AUTO CAL	• On • Off	On
Fast Bump	FASTBUMP	FAST BUMP	• On • Off	On
Alarm Check	ALARM C	ALARM CHECK	• On • Off	On
Automatically Bump Test if Past Due	BUMP EXP	BUMP EXPIRED	• On • Off	Off
Automatically Bump Test at Instrument Turn On	AUTO EXE	AUTO EXEC	• On • Off	Off

**Table 11: Calibration Parameters** 

Parameter	GX-3R Display Tag	GX-3R Pro Display Tag	Available Choices	Factory Setting
Pre-Sample Flush Time	AIR FL	AIR FLUSH	15 - 120 seconds in 1 second increments	15 seconds
Calibration Gas Sample Time	GAS TIME	GAS TIME	20 - 120 seconds in 1 second increments	60 seconds
Post-Sample Purge Time	AIR PG	AIR PURGE	5 - 120 seconds in 1 second increments	15 seconds
Alarm Check	ALARM C	ALARM CHECK	• On • Off	On
Automatically Calibrate if Past Due	CAL EXP	CAL EXPIRED	• On • Off	Off
Automatically Calibrate at Instrument Turn On	AUTO EXE	AUTO EXEC	• On • Off	Off

**Table 12: Cylinder Assignments** 

GX-3R Inlet Names	GX-3R Pro Inlet Names	Operation
G1	GAS1	Channel tested with gas applied through GAS1 inlet.
G2	GAS2	Channel tested with gas applied through GAS2 inlet.
G3	GAS3	Channel tested with gas applied through GAS3 inlet.
C3	CHG3	Channel tested with gas applied through GAS3 inlet after SDM-3R prompts you to change cylinders during bump testing or calibration.

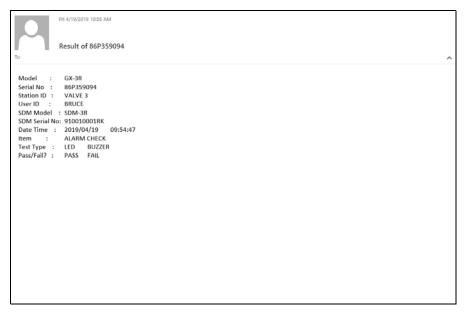
### **Things to Note**

- 1. Vibrator not checked in alarm check. Only LED and buzzer.
- 2. Hold COPY button until red to copy <u>test data</u> to USB drive. View data in SDM-3R program.
- 3. Hold COPY button until flashing orange to download <u>saved data</u> from connected instrument. Takes about 5 minutes. View data in SDM-3R program.

### **Chapter 11: SDM-3R PC Controlled**

### **Email Setup in Config Window**

The PC Program can be configured to send emails out whenever an instrument is bump tested, calibrated, or alarm checked. An example of an alarm check email is shown below.



- 1. In the Config Window, click **Email**.
- 2. Select Send Email.
- 3. If you only want an email to send when a test fails and don't want an email to send when a test passes, select **Send only on FAIL**.
- 4. Type in the domain name and IP address of your mail server. This information will likely need to be obtained from your IT department.
- 5. **Address From**: Type in the email address that you want to use to send emails. This address doesn't have to be an address that's currently used on the computer but it does have to be an address on the server. (I think!)

6. **Address To:** Type in the email address that you want to receive emails. This address does not need to be associated with the server information entered in **Server Domain Name** and **Server IP Address** but some servers may block an email to an outside address (such as an @gmail address).

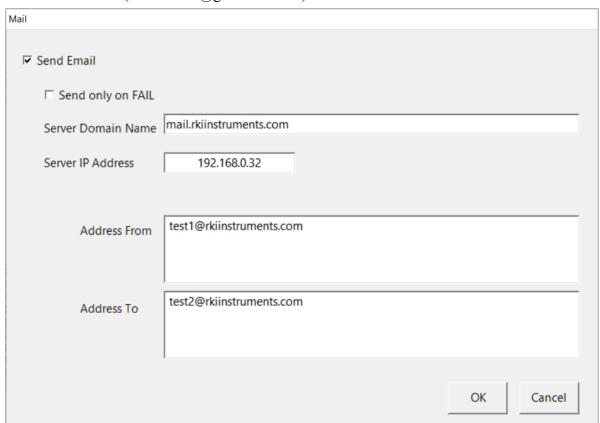
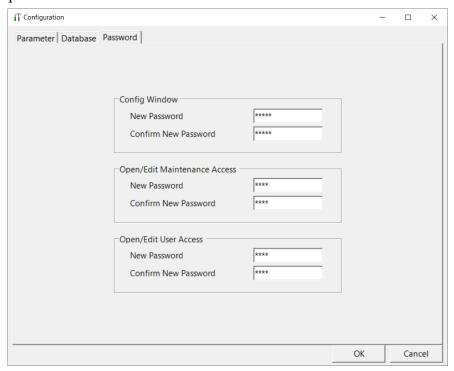


Figure 1: Email Setup Window, Filled In

7. Click **OK** to return to the Parameter tab.

### **Updating Passwords in the Config Window**

- Config Window: Allows access to the Configuration Window. The password can be up to 12 characters long and contain any letter, number, or symbol. It is case sensitive. Factory setting is **ABCDE**.
- Open/Edit Maintenance Access: Allows access to Maintenance Mode items in Open or Edit. Factory set password is 1939.
- Open/Edit User Access: Allows access to User Mode items in Open or Edit. Factory set password is 0000.



### Station and User IDs

Have to "read" station and user ID in Station & User tab before viewing/changing in Parameter tab.

### Need to get Bump Log in Edit Window

**Selected**: In order to clear an alarm non-compliance, you must perform a successful bump test or calibration <u>and</u> download the instrument data. Instrument data can be downloaded being either a) connecting to the PC Program and performing a **Download** operation or b) connecting to the GX-3R Datalogging program and performing a **Complete Download**.

**Deselected** (factory setting): In order to clear an alarm non-compliance, you must only perform a successful bump test or calibration.

### **Reload Function**

**Reload** added to Instrument Function Menu as an EN requirement. It just lets you reload instrument info after making changes so that you can confirm the changes were saved.