PurityPlus® Specialty Gases

Equipment

SF6 leak detector

Model 3-033-R002

Description

The remarkable sensitivity of this hand held unit allows the user to detect sulfur hexafluoride to levels equivalent to 0.1 oz/year (3 grams/year). An advanced microprocessor is the heart of this unit. Its digital signal processing provides excellent management of the circuitry and sensing tip signal. The microprocessor monitors the sensing tip and battery voltage levels 4000 times per second, compensating for even the most minor fluctuations in signal. This translates into a stable and dependable tool in almost any environment.

Convenience features have been incorporated into the 3-033-R002 to enhance its operation. Seven levels of sensitivity provide and increase of 64 times from level 1 to level 7. Unique tri-color LEDs show a progressive and wide range of leak size indication, communicate the sensitivity level, and provide a true voltage indication of battery power level. A tactile keypad controls all functions. The housing design provides the user with a secure grip and control and places the visual indicators in direct sight during use.

Features

- Microprocessor control with advanced signal processing.
- Seven sensitivity levels.
- Tactile keypad controls.
- Real-time SF6 sensitivity adjustment.
- Battery test function with battery voltage indication.
- True mechanical pumping ensures positive air flow through the sensing tip.
- Cordless and portable.
- 14” flexible stainless steel probe.
- Built-in mute feature.

Specifications

Power Supply
3V DC - two “C” cell alkaline batteries.

Max Sensitivity
0.1 oz/year (3 grams/year) SF6

Operating Temperature
30º to 125º F.

Life
Approximately 30 hours normal use

Response Time
Instantaneous

Reset Time
one second

Warm-up Time
Approximately 2 seconds

Unit Weight
1.2 pounds

Dimensions
9” x 2.5” x 2.5”

Equipment

PurityPlus® Specialty Gases

Model 21-070

mini gas leak detector

Description

The model 21-070 gas leak detector easily and quickly pinpoints gas leaks emitting from pressurized systems. Using a thermal conductivity detector with signal amplification, the instrument is zeroed in ambient air and responds to any gas mixture with a thermal conductivity different from that of air. The instrument is highly sensitive, having an intrinsically high signal to noise ratio with amplification that provides a maximum usable sensitivity.*

The model 21-070 can be operated with little or no training. Turn it on, zero, probe for leaks: its that simple. As the instrument probe passes over the leak, a sample is drawn into the conductivity cell. When a leak is discovered a signal is registered on the LED bar graph. No messy soap solution, so system contamination

Specifications

Detector
thermal conductivity w/thermistors

Readout
LED bar gragh with yellow and red segments

Line Voltage
115 V, 60 Hz

Battery
Rechargeable NiCCd, 7.2 V/800 mAh

Battery Life
3.5 hours; may be recharged to 95% in 1 hour

Dimensions
3.25” W x 1.75” H x 5.25” L

Weight
Instrument 1.05 lbs
Charger 0.61 lbs

*Sensitivity

Helium 1.0 x 10-5 cc/sec
Argon 1.0 x 10-4 cc/sec
COO2 1.0 x 10-4 cc/sec
Refrigerant 1.0 x 10-4 cc/sec

Ordering Information

Model	Description
21-070	mini gas leak detector
59-050	carrying case

CAUTION

This leak detector in NOT designed to be used to determine leaks of combustible gases. It is designed to determine low level leaks of any gas having a different thermal conductivity than air. Utilizing this property it is, therefore, not specific to any gas or vapor. A combustible gas leak detector should be used for determination of combustible gas leaks in possible hazardous conditions.

fixed installation type – Beacon 110, Beacon 200, Beacon 410, and Beacon 800

Gas Detection Systems

Description

Gas detection should not be complicated. The Beacon™ Series is gas detection simplified. The Beacon™Series are powerful, low cost fixed system controllers for one, two, or up to eight points of gas detection. They are microprocessor controlled, versatile, simple to install and operate, and priced to be the industry's best value single and multiple gas detection controllers.

The wide variety of sensor heads available for the Beacon Series can provide protection for many of the gases commonly used in industry or laboratories today. A comprehensive list of available detectors is provided below.

Sensors can be mounted directly at the Beacon™housing, or can be wired remote from the controller. The digital displays have backlighting and simultaneous readout of the gas type(s) and concentration(s). The bottom mounted wiring hubs make wiring easy. An external reset switch allows alarms to be silenced from outside the controller housing.

With 10 or 12 amp rated relays, the Beacon Series can be wired directly to a variety of devices like horns, buzzers, or lights eliminating the need for costly external relays from the controller to devices.

The Beacon™Series is housed in a NEMA 4X rated case for a weather tight seal. This case design complies with the new lock out / tag out standard and can be fully secured. An external reset switch allows the alarm to be silenced from outside of the controller housing. The Beacon™units ship complete with a wall mounting kit for easy installation.

Features

- Low cost versatile solution!!
- Compact, weatherproof, NEMA 4X enclosure.
- 115 VAC or 12 VDC operation.
- Long life sensors (2+ years typical).
- Accepts LEL/O 2 /H 2 S/CO direct wire sensors (Beacon 110, 200, and 410).
- Accepts any 4-20 mA transmitter.
- Audible alarm with reset button.
- Three programmable alarm levels.
- Built-in trouble alarm with relay.
- Relay rating 10 or12 amps, form C.
- Provides 4-20 mA output.

Industry Applications

- Laboratories
- Semiconductor manufacturing facilities
- Petrochemical plants & refineries
- Water & wastewater treatment plants
- Pulp & paper mills
- Gas, telephone, & electric utilities
- Parking garages
- Manufacturing facilities

About Sensors

The sensor is the actual device that is sensing the gas. Three sensor types are available for use with the Beacon Series Controller: direct wire, gas diffusion, and sample draw. Sensors typically last 2 to 4 years, but can last for a longer or shorter time depending on the nature of the application.

Direct Wire Detectors

Direct wire detectors are hard wired diffusion sensors to the controller and do not require a transmitter. They are, therefore, more economical than detectors requiring a transmitter. Direct wire detectors can only be used with the Beacon 110, 200, and 410 controllers. While the choice of gases is limited for hard wire detectors they can be an economical choice when available. In general, the use of a transmitter is preferred for distances over 300' to 500' to simplify calibration.

PurityPlus® Specialty Gases

Gas Detection Systems

fixed installation type – Beacon 110, Beacon 200, Beacon 410, and Beacon 800

Ordering Information

When ordering a Beacon system please specify the following components:
1. Controller part number
2. Detector assemblies required

Model	Description
72-2110 RK	Beacon 100 single point controller
72-2102 RK	Beacon 200 two point controller
72-2104RK	Beacon 410 four point controller
72-2108 RK	Beacon 800 eight point controller

Diffusion Detectors

Diffusion detectors rely on the natural flow of air to bring the sample to the detection head. These are an excellent choice for gas cabinets or other forced flow environments where the detector is situated in a constant air flow from the potential gas release to the detector. All diffusion type detectors used with the Beacon Series have transmitters.

Sample Draw Detectors

Sample draw detectors have an integral pump, which draws the surrounding air to the detector. They are the preferred choice when used in larger areas where there is no specific point at which one can expect a gas leak. All sample draw detectors used with the Beacon Series have transmitters.

Transmitters

Most sensors require a transmitter to amplify the sensor signal, and to convert the gas sensor signals into a standardized output, such as 4-20 mA, for transmitting the signal to a controller. The transmitter is usually in close proximity to the sensor, and zero and span adjustments must be done at the transmitter. Note that some sensors and controllers do not require the use of a transmitter for LEL or Oxygen detection (Beacon 110, 200, and Beacon 410), and also one is not needed for short distance wiring of H2S or CO sensors for the Beacon 110, 200, and Beacon 410. All transmitters used with the Beacon Series are operated from 24 VDC, and utilize either 2 or 3 wires. In general, even if a sensor can be used with out a transmitter, the use of a transmitter is often preferred for distances over 300' to 500' to simplify calibration.

Physical

Enclosure	Wall mounting gray polycarbonate with hinged cover		
Dimensions	*Beacon 110*	*Beacon 200*	*Beacon 800*
	Height: 8.5	Height: 8.5”	Height: 12.5”
	Width 7.0”	Width: 7.0”	Width: 11.0”
	Depth 4.3”	Depth: 4.3”	Depth: 6.4”
Conduit Connection ½” NPT conduit hubs:	*2*	*3*	*4*

Wiring Termination: Screw type terminal block14 gauge max.

Environmental Operating Temp: -4°F to 122°F (-20°C to 50°C)

Storage Temp: -4°F to 158°F (-20°C to 70°C)

Relative Humidity: 0 - 95% RH

Enclosure Rating: NEMA-4X enclosure, chemical, and weather resistant.

Inputs

Direct Wired Sensors (Beacon 110, 200, and 410 only) Note: Beacon 800 requires 4-20mA sensors.

LEL / PPM Hydrocarbon

Oxygen

Carbon Monoxide

Hydrogen Sulfide

Remote amp not required for less than 500 feet.

4-20 mA Sensors: Accepts any 4-20 mA transmitter (24VDC, 2 or 3 wire). A wide variety of sensors are available with 4-20 mA signals. (See list of detectable gases. Wiring distances up to 5000 feet.)

Outputs

Relays:

Beacon 110: 4 relays - 12 amp rating (at 115 VAC), SPDT isolated contacts.3 relays for gas alarm levels 1 relay for malfunction

Beacon 200: 2 relays per channel – 10 amp rating (@115 VAC), SPDT isolated contacts. 1 set of common relays: 2 for gas alarm levels, 1 for malfunction

Beacon 410: 2 relays per channel – 10 amp rating (@115 VAC), SPDT isolated contacts. 1 set of common relays: 2 for gas alarm levels, 1 for malfunction

Beacon 800: 2 relays per channel - 10 amp rating (@115 VAC), SPDT isolated contacts. 1 set of common relays: 2 for gas alarm levels, 1 for malfunction

Relays fully programmable for: increasing or decreasing alarm, latching or self reset, normally energized or normally de-energized, time delay for alarm on and alarm off.

4-20 mA Signal output, 4-20 mA (into 500 ohms impedance maximum).

24 VDC 24 VDC output provided to operate sample drawing adapters or other accessories.

Display: Alphanumeric display with back-lighting.
Beacon 110: 1 display, 16 characters per line; 2lines.
Beacon 200: 1 display, 20 characters per line; 4 lines
Beacon 410: 1 display, 20 characters per line; 4 lines
Beacon 800: 2 displays, 16 characters per line; 4 lines each. All 8 channels continuously displayed.

Audible: Built-in audible alarm, 94 dB, mounted on enclosure. Coded Output: pulsing = gas alarm steady = fail

Visual: Beacon 110: 5 visual alarm LED’s on the front cover for status indication, pilot, and malfunction.
Beacon 200: 4 visual alarm LED’s on the front cover for status indication, pilot, and malfunction.
Beacon 410: 4 visual alarm LED’s on the front cover for status indication, pilot, and malfunction.
Beacon 800: 4 visual LED alarms on front cover for alarm indications, pilot, and malfunction.

Power

115 VAC or 12 VDC standard

Optional: 230 VAC

Battery backup option available

Warranty

Two years materials and workmanship.

Equipment

PurityPlus® Specialty Gases

Measurable Gases	Standard Range	Diffusion Detector Assembly	Sample Draw Detector Assembly	Sensors For 110	200	410	800
Ammonia NH3	0 - 75 ppm	GD-K8A-NH3	GD-K7D2 NH3	X	X	X	X
Arsine AsH3	0 - 0.2 ppm	-	GD-K7D2ASH3	X	X	X	X
Boron Trichloride BCl3	0 - 15 ppm	GD-K8A-BCL3	GD-K7D2 BCL3	X	X	X	X
Boron Trifloride BF3	0 - 9 ppm	-	GD-K7D2 BF3	X	X	X	X
Carbon Dioxide CO2	0-5000 ppm	61-1007RK-02	----	X	X	X	–
Carbon Dioxide CO2	0-5000 ppm	65-2397RK-02	----	X	X	X	X
Carbon Monoxide (XP) CO	0 - 300 ppm	65-2432RK		X	X	X	X
Carbon Tetrachloride CCl4	0 - 30 ppm	-	GD-K8DT-CCL4	X	X	X	X
Chlorine Cl2	0 - 3 ppm	GD-K8A-CL2	GD-K7D2 Cl2	X	X	X	X
Chlorine Trifluoride ClF3	0 - 1 ppm	-	GD-K7D2 ClF3	X	X	X	X
Combustibles (XP) LEL	0 - 100%	61-1000RK		X	X	X	–
Combustibles (4-20mA) (XP) LEL	0 - 100%	65-2400RK	-	X	X	X	X
Diborane B2H6	0 - 0.3 ppm	GD-K8A-B2H6	GD-K7D2 B2H6	X	X	X	X
Dichlorosilane DCS	0 - 15 ppm	GD-K8A-DCS	GD-K7D2 DCS	X	X	X	X
Disilane Si2H6	0 - 15 ppm	GD-K8A-SI2H6	GD-K7D2 Si2H6	X	X	X	X
Fluorine F2	0 - 3 ppm	-	GD-K7D2 F2	X	X	X	X
Germane GeH4	0 - 2 ppm	-	GD-K35PN-GEH4	X	X	X	X
Hydrazine N2H4	0 - 10 ppm	-	GD-K34PN-N2H4	X	X	X	X
Hydrogen H2	0 - 2000 ppm	GD-A8V-H2	GD-D8V-H2	X	X	X	X
Hydrogen (Direct) H2	0 - 2000 ppm	61-1050RK		X	X	X	–
Hydrogen (Specific) H2LEL	0 - 100%	61-1001RK		X	X	X	–
Hydrogen (4-20mA) H2	0 - 2000 ppm	65-2440RK		X	X	X	X
Hydrogen Bromide HBr	0 - 9 ppm	-	GD-K7D2 HBr	X	X	X	X
Hydrogen Chloride HCl	0 - 15 ppm	-	GD-K7D2 HCl	X	X	X	X
Hydrogen Chloride HCl	0 - 15 ppm	GD-K8A-HCL		X	X	X	X
Hydrogen Cyanide HCN	0 - 30 ppm	-	GD-K35PN HCN	X	X	X	X
Hydrogen Cyanide HCN	0 - 40 ppm	GD-K8A-HCN	GD-K7D2 HCN	X	X	X	X
Hydrogen Fluoride HF	0 - 9 ppm	-	GD-K7D2 HF	X	X	X	X
Hydrogen Selenide H2Se	0 - 0.2 ppm	-	GD-K35 H2Se	X	X	X	X
Hydrogen Sulfide H2S	0 - 1 ppm	-	GD-K7D2 H2S	X	X	X	X
Hydrogen Sulfide H2S	0 - 100 ppm	65-2422RK	-	X	X	X	X
Nitric Oxide NO	0 - 100 ppm	-	GD-K7D2 NO	X	X	X	X
Nitrogen Dioxide NO2	0 - 15 ppm	GD-K8A	GD-K7D2 NO2	X	X	X	X
Nitrogen Trifluoride NF3	0 - 30 ppm	-	GD-K8D NF3	X	X	X	X
Nitrogen Tetraoxide N2O4	0 - 15 ppm	-	GD-K7D2 N2O4	X	X	X	X
Oxygen (4-20mA) O2	0 - 25%	65-2504RK	-	X	X	X	X
Oxygen (Direct) O2	0 - 25%	65-2512RK	-	X	X	X	–
Ozone O3	0 - 1 ppm	GD-K8A-O3	GD-K7D2 O3	X	X	X	X
Phosphine PH3	0 - 1 ppm	GD-K8A-PH3	GD-K7D2 PH3	X	X	X	X
Phosphorus Pentafluoride PF5	0 - 9 ppm	-	GD-K7D2 PF5	X	X	X	X
Phosphorus Trichloride PCl3	0 - 15 ppm	GD-K8A-PCL3	GD-K7D2 PCl3	X	X	X	X
Phosphorus Trifluoride PF3	0 - 9 ppm	-	GD-K7D2 PF3	X	X	X	X
Silane SiH4	0 - 15 ppm	GD-K8A-SIH4	GD-K7D2 SiH4	X	X	X	X
Silicon Tetrachloride SiCl4	0 - 15 ppm	GD-K8A-SICL4	GD-K7D2 SiCl4	X	X	X	X
Silicon Tetrafluoride SiF4	0 - 9 ppm	-	GD-K7D2 SiF4	X	X	X	X
Sulfur Dioxide SO2	0 - 30 ppm	GD-K8A-SO2	GD-K7D2 SO2	X	X	X	X
Sulfur Tetrafluoride SF4	0 - 9 ppm	-	GD-K7D2 SF4	X	X	X	X
Tetraethyl Orthosilicate TEOS	0 - 15 ppm	-	GD-S8DG-TEOS	X	X	X	X
Trichlorosilane TCS	0 - 15 ppm	GD-S8DG-TCS	GD-K7D2 TCS	X	X	X	X
Tungsten Hexafluoride WF6	0 - 9 ppm	-	GD-K7D2 WF6	X	X	X	X
1,1,1-Trichloroethane C2H3Cl3	0 - 2000 ppm	GD-A8V	-	X	X	X	X

PurityPlus® Specialty Gases

Equipment

Eagle Portable Gas Detector

Description

The EAGLE is a powerful instrument that does more than offer standard confined space protection. The EAGLE also provides detection combinations never before offered in a portable gas monitor featuring the industry's widest selection of high quality, long life and field proven sensors.

The EAGLE's ergonomic design offers easy access to controls such as auto-calibration, alarm silence, demand zero, peak hold and a wide variety of other features. Each channel has 2 alarm levels plus TWA and STEL alarms for toxic channels. Alarm levels are adjustable and can be latching or self resetting. Standard features on the EAGLE, such as PPM/LEL hydrocarbon detection (5 ppm resolution) and a methane elimination switch for environmental applications are not available on most other competitive units. For quick response and recovery, the EAGLE has a strong internal pump that can draw samples from over 125 feet. The EAGLE will continuously operate for over 30 hours on alkaline batteries or 18 hours on rechargeable Ni-Cads. Many accessories such as long hoses, special probes, data-logging, continuous operation adapters, remote alarms and strobes, dilution fittings, internal hydrophobic filter, etc, are available to help satisfy almost any application. Rugged, weatherproof, easy to operate and maintain, the EAGLE is the industry's answer to portable gas detection.

Features

- Simultaneous detection of up to 6 different gases
- Wide variety of field proven gas sensors available
- PPM / LEL hydrocarbon detection
- Powerful long-life pump with 125' range
- Low flow pump shut off and alarm
- Methane elimination switch for environmental use
- Security "Adjustment Lockout Switch"
- Up to 30 hours of continuous operation
- Alkaline or Ni-Cad capability
- Ergonomic RFI/EMI/Chemical resistant case
- Data-logging option
- Auto-calibration
- Intrinsically safe design (most versions), CSA/NRTL & UL Classified

Ordering Information

Measurable Gas**	Range	Model Number
Ammonia	0-75 ppm	72-5111RK
Arsine	0-0.20 ppm	72-5107RKS
Arsine	0-1.0 ppm	72-5107RK
Carbon Dioxide	0-5000 ppm	72-5115RK-5K
	0-10000 ppm	72-5115RK-10K
	0-5%	72-5115RK-05
	0-20%	72-5115RK-20
	0-50%	72-5115RK-50
Carbon Monoxide	0-500 ppm	72-5104RK
Fluorine	0-5 ppm	72-5119RK
Hydrocarbon	0-100% LEL & 0-50,000 ppm	72-5101RK
Hydrogen Chloride	0-5 ppm	72-5110RK
Hydrogen Sulfide	0-100 ppm	72-5103RK
Nitrogen Dioxide	0-15 ppm	72-5114RK
Oxygen	0-40%	72-5102RK
Phosphine	0-1.0 ppm	72-5108RK
Silane	0-15 ppm	72-5117RK
Sulfur Dioxide	0-30 ppm	72-5105RK

Confined Space Instrument	(4 detectors in one housing)	72-5401RK
	Hydrocarbons	0 - 100% LEL
	Oxygen (O2)	0 - 40% Vol.
	Carbon Monoxide	(CO) 0 - 500 ppm
	Hydrogen Sulfide (H 2 S)	0 - 100 ppm

**Included Accessories – Most Eagle units come with a 5' polyurethane hose, shoulder strap, four alkaline batteries, and a 10" hydrophobic probe as standard accessories. Units for toxic gases are supplied with a 3' Teflon hose without the hydrophobic filter.*

***Gases & Detectable Ranges - The EAGLE can be provided with many gas sensors not specifically listed above. Units can contain up to 6 gas sensors (4 Toxics maximum). Please specify the gases desired when requesting a quotation.*

PurityPlus® Specialty Gases

Specifications for Eagle Portable Gas Detector

- *Enclosure*

  Weatherproof, chemical resistant, RF/EMI coated high impact poly-carbonate-polyester blend. Can be set in rain or into 2.5” water without damage. Ergonomically balanced with rugged top mounted handle.

- *Dimensions*

  10.5” long x 5.9” x 7” tall

- *Weight*

  5 lbs.

- *Detection Principle*

  Catalytic combustion, electrochemical cell, and infared.

- *Sensor Life*

  2 years under normal conditions.

- *Sampling Method*

  Powerful, long-life pump (over 6,000 hours) can draw samples over 125 feet. Flow rate approximately 2.0 SCFH.

- *Display*

  4 x 20 LCD readout with backlighting. Viewed through window in case top. Display readings & status of all channels simultaneously.

- *Alarms*

  2 alarms per channel plus TWA and STEL alarms. Fully adjustable for levels, latching or self-reset and silenceable.

- *Alarm Method*

  Buzzer 85dB at 30 cm, dual high intensity LED’s, and blinking display.

- *Controls*

  6 external push buttons for operation, demand zero, and auto-calibration. Buttons also access LEL/ppm, alarm silence, peak hold, TWA/STEL values, battery status and many other features.

- *Continuous Operating Hours*

  30 hours minimum using alkaline batteries, or 18 hours Ni-Cads.

- *Power Source*

  Size D batteries, 4 alkaline or Ni-Cad, Charger has alkaline recognition to prevent battery damage if alkalines are charged.

- *Operating Temp. & Humidity*

  -10°C to 40°C (14°F to 104°F), 0 to 95% RH, non-condensing.

- *Indication Accuracy*

  Maximum variance +/- 5% of full scale.

- *Response Time*

  30 seconds to 90% (for most gases).

- *Safety Design*

  Intrinsically Safe, Class I, Division 1, Groups A, B, C and D. CSA/NRTL & UL Classified (most versions).

- *Standard Accessories*

  Shoulder strap, alkaline batteries, hydrophobic probe, and 5 foot hose (for special toxic gas versions, shorter Teflon hose used without probe).

- *Optional Accessories*

  - Data-logging of up to 4 gases (No data-logging possible on 5 or 6 gas version or versions with more than 2 toxic sensors).
  - Remote alarm
  - Dilution fitting (50/50)
  - Ni-Cad batteries
  - Battery charger, 115 VAC or 12 VDC
  - Continuous Operation Adaptor, 115 VAC or 12 VDC
  - Extra loud buzzer
  - Extension probes
  - Internal Hydrophobic Filter (strong recommended)

- *Warranty*

  One year material and workmanship.

single gas personal monitor

Series 72 and 73

Description

Individuals need personal protection in hazardous areas. The Series 01 units can provide the required protection at an affordable cost without the need to tote bulky equipment. These units are single gas monitors designed to protect personal from combustible hydrocarbons, oxygen deficiency, hydrogen sulfide, or carbon monoxide.

The 01 series models have two preset alarms that are user adjustable. They are equipped with visual, audible, and vibration alarms. Replacement sensors are inexpensive, easily field replaceable, and have a life expectancy of 2 years.

Each unit is controlled by a microprocessor for reliability and advanced capability. The two AAA size alkaline batteries provide continuous operation for 3000 hours, except the GP-01 LEL monitor which operates for 16 hours, but has a rechargeable Ni-Cad battery pack option that provides 8 hours of operation.

Features

- Pocket size; 1.4” W x 4.1” H x 0.8” D.
- Light weight: 3.5 ounces.
- Audible/visual/vibration alarms.
- Automatic backlight during alarm.
- Peak Hold, STEL, & TWA.
- Low battery alarm.
- Impact and water resistant.
- Intrinsically safe, CSA, C/US classified Class 1, Division 1, Groups A, B, C, & D.

Ordering Information

Model	Description
72-0008RK-01	0-40% OX-01 oxygen monitor with alkaline batteries & alligator clip
72-0008RK-03	0-40% OX-01 oxygen monitor with alkaline batteries & belt clip
73-0044RK-01	0-500 ppm CO-01 carbon monoxide with alkaline batteries & alligator clip
73-0044RK-03	0-500 ppm CO-01 carbon monoxide with alkaline batteries & belt clip
73-0046RK-01	0-100 ppm HS-01 hydrogen sulfide with alkaline batteries & alligator clip
73-0046RK-03	0-100 ppm HS-01 hydrogen sulfide with alkaline batteries & belt clip
73-0033RK-01	0-100% LEL GP-01 with alkaline batteries & alligator clip
73-0033RK-03	0-100% LEL GP-01 with alkaline batteries & belt clip
73-0034RK-04	0-100% LEL GP-01 with Ni-Cad battery pack, charger, & alligator clip
73-0034RK-05	0-100% LEL GP-01 with Ni-Cad battery pack, charger, & belt clip