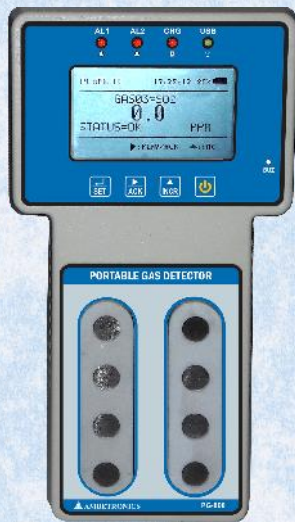


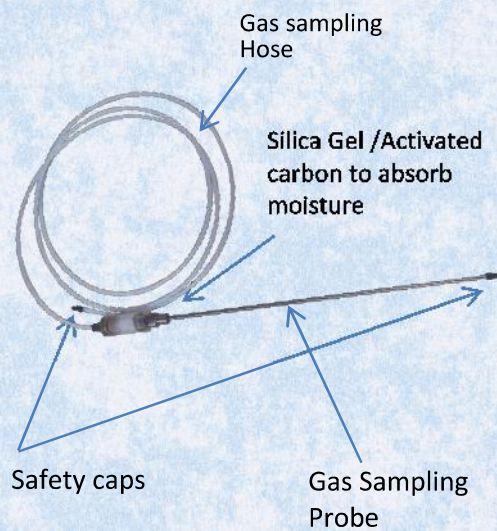
PORTABLE MULTI GAS DETECTOR



PG-800-D
Diffusion Type



PG-800-S
Suction Type



Gas Sampling Hose Pipe for Suction Type

Features

- Portable gas leak detector detects smallest leak on service line and joints
- Digital display of Multi Gas Concentration together or page wise on 128 x 64 mm Graphical LCD display with backlight
- Plug-in Sensor provides a full year of warranted protection against hazardous gases
- Gas concentration display in %V/V or %LEL or PPM for up to 8 gases simultaneously
- Calibration due indication and alert
- Easy handling and programming with 3 keys and one key for power ON/OFF
- Password protected function menu
- Power supply with rechargeable battery
- LOW, HIGH, TWA & STEL configurable alarms with buzzer and vibrator alerts and LED indications
- Small, compact and light-weight
- Ambient monitoring
- Software calibration totally by using front keys
- Optional data logging facility with 50000 records & visible in ASCII format while downloading to PC via USB interface
- Battery status indication on the LCD display with battery charging LED indication and BAT low indication with Buzzer

Applications

- Refineries & Petrochemical plant including offshore drilling and plant shutdowns
- Waste water treatment plants
- Steel mills
- Pulp & Paper Industry
- Personal Monitoring
- Leak Detection
- Incoming Cylinder inspection
- Emergency response
- Equipment maintenance
- Pre entry check quality control
- Process or emission gas analysis

TECHNICAL SPECIFICATIONS

GENERAL

Sensors : Electrochemical / Catalytic / Pellistor / NDIR / PID
 Range/Resolution : As specified in the table
 Detection Method : Diffusion / Suction
 Display : LCD with settable backlight
 Set Point : Two independent set points, AL1 & AL2 with LED indication facility only
 Setting : Setting by 3 keys on front panel i.e. (SET, SHIFT/ACK, INCR)
 Integrated Buzzer/Vibrator for Alarm Violation

PERFORMANCE

Accuracy : ±2% of Full Scale with sensor accuracy

ELECTRICAL

Power Supply : Li-Polymer, Rechargeable Battery with charger Provides 8 hours of working*

OUTPUT SIGNAL

Optional : 50000 records Logging capacity with data can be visible in ASCII format while downloading in the PC
 Setting : Over / Open Range indication on LCD
 Download : Through USB interface using Terminal

ENVIRONMENTAL

Operating Temp. : 0 to 50°C
 Storage Temp. : -10 to 60°C
 Humidity : Below 95% rH, Non condensing

*Depending on working conditions. Use of pump significantly affects the sensor life

TECHNICAL SPECIFICATIONS

ENCLOSURE DETAILS

Material : ABS Plastic
 Size : 236 mm(L) x 130 mm(W) x 43 mm(D)
 Weight : Less than 500gms

ACCESSORIES

- Operating Manual
- Calibration cap
- Battery charger
- Hose pipe: Std. size 1" available Above 1" available on request
- Hose pipe tube : PVC/Silicon Std length: 2mtr Above 2 mtr available on request

LIST OF GASES WITH RANGE AND RESOLUTION

ELECTROCHEMICAL SENSOR TECHNOLOGY							
GASES	RANGE	UNIT	RES.	COMBUSTIBLE GASES			
Oxygen	25	%Vol	0.01	GASES	RANGE	UNIT	RES.
TOXIC GASES				Methane (CH ₄)/HC	100	%LEL	1
Carbon Monoxide (CO)	1000	PPM	1	Butane/n-Butane (C ₄ H ₁₀)	100	%LEL	1
Carbon Monoxide (CO)	5000	PPM	1	Propane/n-Propane (C ₃ H ₈)	100	%LEL	1
Sulphur Dioxide (SO ₂)	50	PPM	0.1	Acetylene (C ₂ H ₂)	100	%LEL	1
Sulphur Dioxide (SO ₂)	2000	PPM	1	Hexane/n-Hexane (C ₆ H ₁₄)	100	%LEL	1
Hydrogen Sulfide (H ₂ S)	100	PPM	1	CNG/LNG/LPG/Natural Gas/Flammable Gas	100	%LEL	1
Hydrogen Sulfide (H ₂ S)	2000	PPM	1	Pentane/n-Pentane (C ₅ H ₁₂)	100	%LEL	1
Hydrogen (H ₂)	1000	PPM	1	Acetone (CH ₃) ₂ CO	100	%LEL	1
Chlorine (CL ₂)	20	PPM	0.01	Ethanol (C ₂ H ₅ OH)	100	%LEL	1
Hydrogen Chloride (HCL)/ Hydrogen Bromide (HBR)	20 200	PPM PPM	0.01 1	Ethyl Acetate (CH ₃ COOC ₂ H ₅)	100	%LEL	1
Nitrogen Dioxide (NO ₂)	20	PPM	0.01	Ethylene (C ₂ H ₄)	100	%LEL	1
Hydrogen Cyanide (HCN)	100	PPM	1	Hydrogen (H ₂)	100	%LEL	1
Ozone (O ₃)	5	PPM	0.01	Isopropanol (CH ₃ C ₂ H ₄ OH)	100	%LEL	1
Phosphine (PH ₃)	10	PPM	0.01	Methanol (CH ₃ OH)	100	%LEL	1
Phosgene/Cobalt (II) Chloride(COCL ₂)	1	PPM	0.01	Methyl Ethyl Ketone (CH ₃ -CO-C ₂ H ₅)	100	%LEL	1
Bromine (Br ₂)	20	PPM	0.01	N-Heptane (C ₇ H ₁₆)	100	%LEL	1
Hydrazine (N ₂ H ₄)	1	PPM	0.01	N-Pentane (C ₅ H ₁₂)	100	%LEL	1
Hydrogen Fluoride (HF)	10	PPM	0.01	Toluene (C ₆ H ₅ CH ₃)	100	%LEL	1
Hydrogen Fluoride (HF)	100	PPM	1	Ammonia (NH ₃)	100	%LEL	1
Ammonia (NH ₃)	100	PPM	1	Carbon Monoxide(CO)	100	%LEL	1
Ammonia (NH ₃)	1000	PPM	1	Unleaded Petrol	100	%LEL	1
NDIR SENSOR TECHNOLOGY							
GASES	RANGE	UNIT	RES.	GASES	RANGE	UNIT	RES.
Carbon Dioxide (CO ₂)	5000	PPM	1	Methane (CH ₄)	100	%LEL	1
	5	%V/V	0.1		5	%V/V	0.1
	20	%V/V	0.1		100	%V/V	1
	100	%V/V	1				

NOTE: All VOCs are available in PID detection principle in ppm ranges. For more details or for any other gas not listed are available on request, please contact factory.

ORDERING INFORMATION

PG

A

a) **MODEL**
1) 800

B

a) **GAS and Range**
Select name and range of the Gas from the above list (MAX 8)

C

a) **Detection method**
1) Diffusion type
2) Suction type

D

a) **Data Logging**
1) No
2) Yes

Manufactured by :



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ATEX

