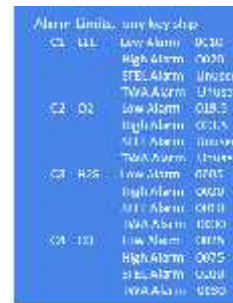
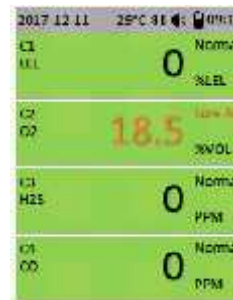


Multi-Gas Detector



PG800 SERIES

ANSI-tech PG Series Multi-Gas Portable Gas Detector

(Feature-Rich Platform, User Friendly, Flexibility, Reliable, Safety & Economical)

- Multi-color 65k 2.4" LCD screen
- Feature-rich platform software design and user friendly
- Personalize screen color feature (Background, status bar, selection, font and alarm)
- Confidence beep & flash
- Easy to use, reliable and enhanced safety for the user
- Economical price and quality built-up product material
- Light weight & robust design
- Weatherproof design
- Replaceable sensor module
- Power-On self-test function
- Standard 12 months warranty; extended up to 24 months
- Continuous LCD real time detection (Normal or Alarm trigger)
- Bright LED visual alarm, with dual stage flashing
- Loud audible sounder (>95dB), with dual stage beeper
- Equipped with vibration alarm
- Quick enable/disable audible and vibration alarm function
- Quick TWA/STEL measurement test function
- Built-in unit temperature sensor
- Long battery life ~ 18-20 hours
- Calibration Due / Error message notification
- Safety password protection for alarm edit, calibration & factory setting
- Standard 5V mini USB to USB charging cable with overcharge protection
- Unit on-screen data (time interval), alarm and fault log (Software upload as optional)
- Unit on-screen calibration, alarm editing and parameter change (No additional software required)
- Optional accessories – external pump, float ball, dust filter, log software, calibration gas and etc..

Technical Specification

Detecting Gas	Combustible gas, toxic gas, oxygen , etc
Number of Sensor	Up to 4 sensors
Measuring Range	Refer to “Gas Parameter” charts
Detecting Method	Diffusion / Pump
Deviation	≤± 3% F.S
Respond Time	T90 < 30 s
Operating Temperature	-20 °C ~ + 55 °C
Operating Humidity	15 ~ 90% R.H.(non-condensing)
Operating Pressure	80 ~ 120KPa
Display Type	Screen Size: 2.4” IPS color LCD, 65K, Resolution 320 x 240,
Self-Test (Functional Test)	Battery, Temperature, Indicator (Visual), Beeper (Audible), Vibrator (Vibration) & Sensor Alarms Limit Auto Zero (Oxygen)
Display Option (Measurement View Mode)	Real Time/TWA & STEL (Average)
Display Option (Basic function)	Date & Time Unit Temperature Battery Level Screen Brightness Level (1 to 5) Screen Flip Multi-color Screen Edit Confidence Beep Confidence Flash
Display Option (Engineer Mode)	Alarm Setting (*Level 1 Password Protection) Log Mode Display Edit System Edit Factory Edit (*Level 2 Password Protection) Cal Mode (*Level 1 Password Protection)
Data storage	Data Log (1024 Log record per channel) Alarm Log (1024 log Record per channel) Fault Log (1024 Log record per channel) Data Log Interval – Minimum 1 minutes Interval
Data Upload	Data Log Software via Com-cable (Optional)
Visual & Audible Alarm	Alarm 1, Alarm 2, TWA, STEL, Low Battery
Battery Charger	Input 100V~240V AC, 50/60HZ; output 5V DC, 1000mAh; Adaptor – US/UK/EUROPE
Battery Type	Battery: lithium battery, 3.7V DC, 3000mAh
Typical Battery Life	Normal Operating – 15h to 20h Continuous Alarm < 10 Hours Recharging~ 5 Hours (5VDC @ 1A)
Ingress Protection Class	IP66
Certification & Approval	Exia II T4 Ga KEMA 06 ATEX 0056
Weight	~300 g
Size	150mm × 85mm × 46mm

Gas Parameters

Product Model	Detected Gas		Measuring Range	Resolution	Respond Time (T90)	Typical Sensor life
PG-LEL	LEL	Combustible Gas	0-100%LEL	1%LEL	≤30 s	3-5 year
PG-CO	CO	Carbon Monoxide	0-1000ppm	1ppm	≤20 s	2-3 year
PG-O2	O2	Oxygen	0-30%VOL	0.1%vol	≤20 s	2-3 year
PG-H2S	H2S	Hydrogen Sulphide	0-100ppm	1ppm	≤30 s	2-3 year
PG-H2	H2	Hydrogen	0-1000ppm	1ppm	≤30 s	2-3 year
PG-CL2	CL2	Chlorine	0-20ppm	0.1ppm	≤30 s	2-3 year
PG-NH3	NH3	Ammonia	0-100ppm	1ppm	≤30 s	2-3 year
PG-O3	O3	Ozone	0-5ppm	0.1ppm	≤30 s	2-3 year
			0-100ppm	1ppm		
PG-SO2	SO2	Sulphur Dioxide	0-20ppm	0.1ppm	≤30 s	2-3 year
PG-NO	NO	Nitric Oxide	0-250ppm	1ppm	≤30 s	2-3 year
PG-NO2	NO2	Nitric Dioxide	0-20ppm	0.1ppm	≤30 s	2-3 year
PG-CH2O	CH2O	Formaldehyde	0-10ppm	0.1ppm	≤30 s	2-3 year
PG-HCL	HCL	Hydrogen Chloride	0-20ppm	0.1ppm	≤30 s	2-3 year
PG-HCN	HCN	Hydrogen Cyanide	0-20ppm	1ppm	≤30 s	2-3 year
PG-ETO	ETO	Ethylene Oxide	0-100ppm	1ppm	≤30 s	2-3 year
PG-CLO2	CLO2	Chlorine Dioxide	0-10ppm	0.1ppm	≤30 s	2-3 year
PG-CH4	CH4	Methane	0~5.00%vol	1.00%vol	≤30 s	2-3 year
			0~100.0%vol	3.00%vol		
PG-CO2	CO2	Carbon Dioxide	0-5.00%vol	0.01%vol	≤30 s	≥5 year
			0-5000ppm	1ppm		
PG-C2H4	C2H4	Ethylene	0-200ppm	0.1ppm	≤30 s	2-3 year
PG-VOC	VOC	Volatile Organic Compound	0-50ppm	0.1ppm	≤30 s	2-3 year

Sensor Selection Configuration

PG - (Combustible Sensor) / (Oxygen) / (Toxic 1) / (Toxic 2) - (Plug Type)
 Plug Type: (US/EU/UK)

Example:

PG – LEL/O2/H2S/CO – UK (4 Sensors Configuration)

PG – LEL/O2 – UK (2 Sensors Configuration)

PG – VOC/O2/H2S – EU (3 Sensors Configuration)

PG – CO2 – US (1 Sensor Configuration)

Optional Accessories



Sample Pump Kits
(Non-Certified Ex)

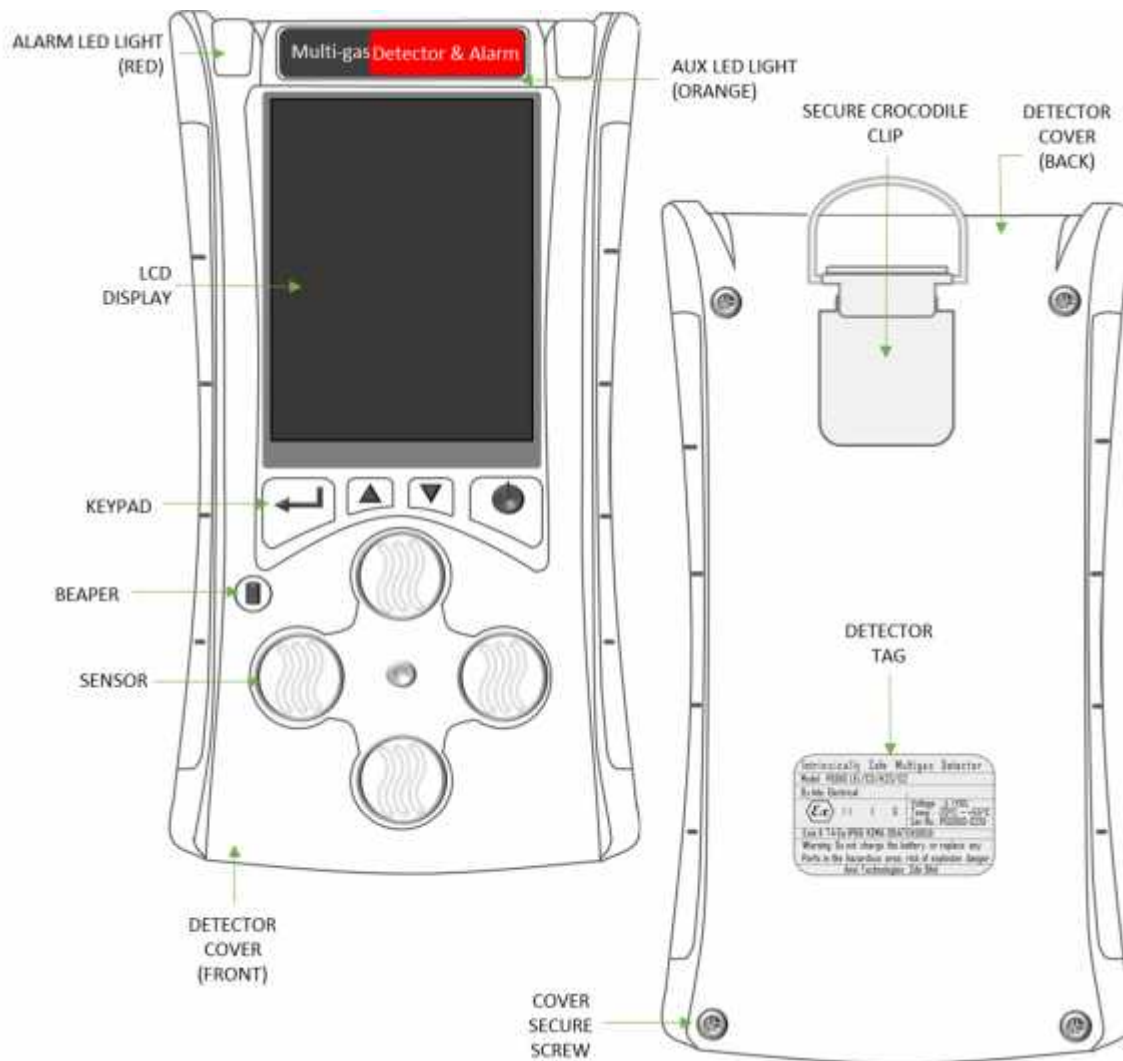


Aluminum Case



Calibration Gas

Product Overview



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