PG810 series Portable Gas Detector

Product Overview:

PG810 Multi gas detecotor is a portable gas detector,can detect 4 kinds of gases at most one time.It is widely used in oil exploration, oil and gas transportation, oil refining, metallurgy, power plants, chemical industry, oil depot and gas station, mine, tunnels, underground pipeline and other industries.If gas concentration exceeds the preset alarm level, detector will start the sound-light alarm for reminding of users to avoid of explosion, fire and poisoning.

 PG810 detectors adopt the modular design,2 kinds of toxic gas is fixed,and the other two gases is free to choose,it can realize different gas to choose,there are more than 20kinds of gases combined choice;the gas sensors is configured to electrochemical,catalytic combustion,infrared sensor,optical sensor.etc.,the user can choose gas to be detected according to need,such as 3 gases in one,2 gased in one detector.

 PG810 detectors adopts 2.4 inch IPS color LCD screen, 320 * 240 dot matrix, with the features of   beautiful and easy,graphical menu interface,full displayed information.The user can switch freely Chinese and English.

   PG810 Gas detector adopts large capacity data storage chip for historical data record, alarm data records, failure data records which is convenient for data statistics and management. Detector shows sensor calibration time,it's convenient to find out if detectors need to be calibrated.

    Users can set some parameters by himself,such as alarm level,screencolor,screen brightness,test mode,ect..With professional personnel's guide, users can also set gas parameters and calibration. All operation needs password preventing wrong operation. Can be restored to factory settings.

 PG810 detector uses large capacity lithium battery, with mini-usb   charger compatible with a variety of PC and digital device. Battery status real-time hint: battery current capacity, charging, full of power, low power etc. Connect detector to computer with USB data cable, user can set parameters read data records or derived record through the PC software.

For combustible gas,the correction factor can be selected according to different gases ,in order to adapt the combustible gas in the site,to improve the accuracy.

Main features:

- Convenient to carry ,can detect 4 gases
- Big display, Highlighted, High-definition
- Automatically save the detecting data for 3048 records
- Low power consumption , save energy, save electricity
- Real-time clock display function
- The key operation needs to input password to prevent wrong operation.
- Automatic calibration function, reduce the measuring error.
- Recover key data, avoid the loss of data
- Battery power real-time display, temperature display,under-voltage hint, low pressure automatic   shutdown
- Standard MINI-USB charging interface; charger is compatible with computer Charging protection function; when battery is full, charger will shut down automatically.
- Computer connection function; to realize data download, parameter setting (optional)
- Alarm type: audible and visual alarm
- STEL and TWA alarm function for toxic gases
- Power on self-test function
- Adjustable high and low alarm level
- Replaceable modularized sensor

Technical parameters:

Detecting Gas	combustible gas, toxic gas, oxygen
Measuring Range	see the chart
Detecting Method	Diffusion type
Deviation	≤± 3% F.S
Respond Time	T90 < 30 s
Working Temperature	- 20 ℃ ~ + 55 ℃
Working Humidity	15～90%R.H.(no condensation)
Working pressure	80～120KPa
Sensor life	see the chart
Display	Display screen: 2.4 inch IPS color LCD screen, 65K screen colors,

	high resolution 320 * 240, adjustable brightness 5 class,reversible display
	
	Display mode:
	
	  Real time detection, STEL detection, TWA detection.
	
	Power saving mode:
	
	  Long time(3mts)without operating keys and no alarm,enter the power saving mode

Data Storage	In total: four channels. each channel contains historical record, alarm record, fault record historical record: 1024 records per channel alarm record record: 1024 records per channel fault record: 1000 records per channel
Upload Data	connected to computer via data line(optional)
Alarm and fault prompt	Alarm way: buzzer, LED sound light alarm, display status Alarming frequency: low alarm 1 HZ, high alarm 2 HZ Fault prompt: buzzer, LED sound light alarm, display status. Prompt frequency 0.5 Hz
Charger	input 100V ~ 240V AC,50/60HZ; output 5V DC,1000mA battery: lithium battery,3.7V DC,3000mAh
Charging Time	About 5h
Working Time	15 h to 20h (LEL, CO, O2, H2S 4 gas)
Protection Class	IP66
Weight	300 g
Appearance Size	150mm × 85mm × 46 mm

Standard configuration: instrument box, gas detector, specifications, certificate of approval, warranty card, charger, software,software instruction or communication protocol (optional)

Application: widely used in Metallurgy, petrochemical industry, coal mine, papermaking, fire-fighting, municipal affairs, pharmacy, power plant, chemical industry, mine, tunnel, underground pipeline, etc.

Product Model	Detected Gas	Measuring Range	Resolution	Respond Time(T90)	Sensor life
PG810-EX	Combustible gas	0-100%LEL	1%LEL	≤30 s	3-5 year

PG810-CO	CO	0-100ppm	1ppm	≤20 s	2-3 year
PG810-O2	O2	0-30%VOL	0.1%vol	≤20 s	2-3 year
PG810-H2S	H2S	0-100ppm	1ppm	≤30 s	2-3 year
PG810-H2	H2	0-1000ppm	1ppm	≤30 s	2-3 year
PG810-CL2	CL2	0-20ppm	0.1ppm	≤30 s	2-3 year
PG810-NH3	NH3	0-100ppm	1ppm	≤30 s	2-3 year
PG810-O3	O3	0-5ppm 0-100ppm	0.1ppm 1ppm	≤30s	2-3 year
PG810-SO2	SO2	0-20ppm	0.1ppm	≤30 s	2-3 year
PG810-NO	NO	0-250ppm	1ppm	≤30 s	2-3 year
PG810-NO2	NO2	0-20ppm	0.1ppm	≤30 s	2-3 year
PG810-CH2O	CH2O	0-10ppm	0.1ppm	≤30 s	2-3 year
PG810-HCL	HCL	0-20ppm	0.1ppm	≤30 s	2-3 year
PG810-HCN	HCN	0-20ppm	0.1ppm	≤30 s	2-3 year
PG810-ETO	ETO	0-100ppm	1ppm	≤30 s	2-3 year
PG810-CLO2	CLO2	0-10ppm	0.1ppm	≤30 s	2-3 year
PG810-CH4	CH4	0～5.00%VOL 0～100.0%LEL	1.00%VOL 1%LEL	≤30 s	2-3 year
PG810-CO2	CO2	0-5.00%vol 0-5000ppm	0.01%vol 1ppm	≤30 s	≥5 year
PG810-C2H4	C2H4	0-200ppm	0.1ppm	≤30 s	2-3 year
PG810-VOC	VOC	0-50ppm	0.1ppm	≤30 s	2-3 year
As for unlisted detected gas and measuring range, please contact with our company					