PG610 series Portable Gas Detector

Product Overview:

PG 610 SERIES PORTABLE GAS DETECTOR: it can detect one kind of gas (showed in form). It is intrinsically safe instrument that can continuously detect the concentration of combustible gas and toxic gas. PG610 Gas detector is widely used in municipal emergency rescue, oil chemical industry, metallurgy, coking, environmental protection and other industries. PG610 Gas detector is designed for safety technical personnel and equipment maintenance personnel to guarantee the staff's life safety and to protect production equipment from losses.

PG610 Gas detector detects gas concentration in natural diffusion way, and also can use external suction pump to sample gas. This gas detector normally use imported electrochemical sensor (use catalytic combustion sensor for combustible gas detector). It has excellent sensitivity and good repeatability.

PG610 gas detector: OLED display, self-Illumination, wide perspective, high brightness and resolution. So people can read display clearly five meters away. PG610 is suitable for all kinds of complicated industrial environment because of its good seismic performance and low temperature resistance.

PG610 gas detector can collect gas data and save data automatically, and then transfer the data to computer.

PG610 gas detector shell is made by engineering material and composite elastic rubber double-color materials with high intensity. Also it adopts human engineering design, so people can hold it comfortably. PG610 is waterproof, dustproof and explosion-proof.

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Main features:

- Big OLED display, Highlighted, High-definition
- Automatically save the detecting data for 5000 records
- Data progress bar display mode, can learn about the state of concentration
- 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, under-voltage hint, low pressure automatic shutdown
- Standard MINI-USB charging interface; charger is compatible with computer and cell phone's
- 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, vibrating 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
Sampling Method	diffused or pump suction (external electric sampling pump)
Deviation	≤± 3% F.S
Respond Time	T90 < 30 s
Working Temperature	toxic gas: - 20 ℃ ~ + 50 ℃ Combustible gas: - 40 ℃ ~ + 70 ℃
Working Humidity	< 95% R.H. no condensation
Sensor life	see the chart
Display Mode	OLED screen shows density, time, battery power, Alarm state, percentage progress bar
Data Storage	5000 records
Upload Data	connected to computer via data line(optional)
Alarm Type	Light: wide-angle light emitting diode

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	Sound: 90 Db humming; when concentration increased, frequency increases Vibration: oscillator speed of 1300 r/min
Working Voltage	DC3.6 V lithium ion battery, 1000 mAh
Charging Time	4 h ~ 6 h
Working Time	combustible gas ≮ 8 h (continuous); Toxic gas ≮ 72 h (continuous)
Protection Class	IP66
Weight	140 g
Appearance Size	98 mm × 60 mm × 24 mm

Standard configuration: instrument box, gas detector, specifications, certificate of approval, warranty card, charger, gas hood

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 Information Chart

Product Model	Detected Gas	Measuring Range	Resolution	Respond Time(T90)	Sensor life
PG610-EX	Combustible gas	0-100%LEL	1%LEL	≤30 s	3-5 year
PG610-CO	CO	0-1000ppm	1ppm	≤20 s	2-3 year
PG610-O2	O2	0-30%VOL	0.1%vol	≤20 s	2-3 year
PG610-H2S	H2S	0-100ppm	1ppm	≤30 s	2-3 year
PG610-H2	**H2**	**0-1000ppm**	**1ppm**	**≤30 s**	**2-3 year**
PG610-CL2	CL2	0-20ppm	0.1ppm	≤30 s	2-3 year
PG610-NH3	NH3	0-100ppm	1ppm	≤30 s	2-3 year
PG610-O3	O3	0-5ppm 0-100ppm	0.1ppm 1ppm	≤30s	2-3 year
PG610-SO2	SO2	0-20ppm	0.1ppm	≤30 s	2-3 year
PG610-NO	NO	0-250ppm	1ppm	≤30 s	2-3 year
PG610-NO2	NO2	0-20ppm	0.1ppm	≤30 s	2-3 year
PG610-CH2O	CH2O	0-10ppm	0.1ppm	≤30 s	2-3 year
PG610-HCL	HCL	0-20ppm	0.1ppm	≤30 s	2-3 year
PG610-HCN	HCN	0-20ppm	0.1ppm	≤30 s	2-3 year
PG610-ETO	ETO	0-100ppm	1ppm	≤30 s	2-3 year
PG610-CLO2	CLO2	0-10ppm	0.1ppm	≤30 s	2-3 year
PG610-CO2	CO2	0-5.00%vol 0-5000ppm	0.01%vol 1ppm	≤30 s	≥5 year
PG610-VOC	VOC	0-50ppm	0.1ppm	≤30 s	2-3 year
As for unlisted detected gas and measuring range, please contact with our company					