

## Single Channel Portable Gas Detector



### PG 600 SERIES

## ANSI-tech PG60 Series Single-Gas Portable Gas Detector

(OLED Screen, Easy-to-use)

- ) Big OLED display, highlighted, high-definition
- ) Automatic data recording (5000 Log)
- ) Low energy consumption
- ) Real-time clock display function
- ) Automatic zero calibration function
- ) Mini-USB charging port
- ) Battery full overcharging protection feature
- ) Data logging Software upload (optional)
- ) Alarm: 90dB audible, vibration, LED-light flashing
- ) Adjustable high and low alarm level
- ) Toxic gas STEL and TWA alarm function
- ) Power on self-test function
- ) Replaceable modularized sensor


# Technical Specification

Detecting Gas	Combustible gas, toxic gas, oxygen , etc
Number of Sensor	Single Sensor
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 (Toxic gas & oxygen) -40 °C ~ + 70-°C (Combustible)
Operating Humidity	15 ~ 90% R.H.(non-condensing)
Operating Pressure	80 ~ 120KPa
Display Type	OLED Screen 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 (5000 Log)
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, 3.6V DC, 1000mAh
Typical Battery Life	Combustible > 8 Hours Toxic & Oxygen > 72 Hours Recharging~ 4-6 Hours (5VDC @ 1A)
Ingress Protection Class	IP66
Certification & Approval	Exia II T4 Ga KEMA 06 ATEX 0056
Weight	~140 g
Size	98mm × 60mm × 24mm

# Gas Parameters

Product Model	Detected Gas		Measuring Range	Resolution	Respond Time (T90)	Typical Sensor life
PG600-LEL	LEL	Combustible Gas	0-100%LEL	1%LEL	≤30 s	3-5 year
PG600-CO	CO	Carbon Monoxide	0-1000ppm	1ppm	≤20 s	2-3 year
PG600-O2	O2	Oxygen	0-30%VOL	0.1%vol	≤20 s	2-3 year
PG600-H2S	H2S	Hydrogen Sulphide	0-100ppm	1ppm	≤30 s	2-3 year
PG600-H2	H2	Hydrogen	0-1000ppm	1ppm	≤30 s	2-3 year
PG600-CL2	CL2	Chlorine	0-20ppm	0.1ppm	≤30 s	2-3 year
PG600-NH3	NH3	Ammonia	0-100ppm	1ppm	≤30 s	2-3 year
PG600-O3	O3	Ozone	0-5ppm	0.1ppm	≤30 s	2-3 year
			0-100ppm	1ppm		
PG600-SO2	SO2	Sulphur Dioxide	0-20ppm	0.1ppm	≤30 s	2-3 year
PG600-NO	NO	Nitric Oxide	0-250ppm	1ppm	≤30 s	2-3 year
PG600-NO2	NO2	Nitric Dioxide	0-20ppm	0.1ppm	≤30 s	2-3 year
PG600-CH2O	CH2O	Formaldehyde	0-10ppm	0.1ppm	≤30 s	2-3 year
PG600-HCL	HCL	Hydrogen Chloride	0-20ppm	0.1ppm	≤30 s	2-3 year
PG600-HCN	HCN	Hydrogen Cyanide	0-20ppm	1ppm	≤30 s	2-3 year
PG600-ETO	ETO	Ethylene Oxide	0-100ppm	1ppm	≤30 s	2-3 year
PG600-CLO2	CLO2	Chlorine Dioxide	0-10ppm	0.1ppm	≤30 s	2-3 year
PG600-CH4	CH4	Methane	0~5.00%vol	1.00%vol	≤30 s	2-3 year
			100.0%vol	3.00%vol		
PG600-CO2	CO2	Carbon Dioxide	0-5.00%vol	0.01%vol	≤30 s	≥5 year
			0-5000ppm	1ppm		
PG600-C2H4	C2H4	Ethylene	0-200ppm	0.1ppm	≤30 s	2-3 year
PG600-VOC	VOC	Volatile Organic Compound	0-1000ppm	1ppm	≤30 s	2-3 year



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