

PGas-32 Portable Infrared Gas Detector



Brief introduction

PGas-32 portable infrared gas detector is a kind of hand-held instrument that can perform continuous measurement of gas. This leakage detector adopts imported gas infrared sensor, it utilizes unique method of data processing, and it has the functions of high sensitivity, quick response, good stability, automatic modification of zero drift as well as speech alarm output, etc. The hand-held design facilitates carrying and testing; light-emitting display screen of organic matter is adopted, and the display is clear without lamp light when it operates at night.

Main features

- ◆ NDIR” non-dispersive infrared ” principle
- ◆ OLED screen, self-luminous with low power consumption and high brightness, with no problem of visual angle
- ◆ High sensitivity; the detection resolution of leakage can reach 0.1ppm
- ◆ High precision and good stability
- ◆ Quick response and recovery
- ◆ Multi-level speech and light alarm
- ◆ Can be charged by USB or AC adopter, convenient and quick
- ◆ Storage and inquiry of measurement data
- ◆ Read and analysis the data by PC software through USB
- ◆ Long lifespan of sensor

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Technical parameters

Parameters	Characteristics
Measurement principle	Non-dispersive infrared (NDIR)
Detectable gas	Refer to lectotype table
Uncertainty	<1.5%F.S
Resolution	0.1PPM
Sampling mode	Pumping type
Service temperature	-10~60°C
Power supply	4.2V, internal lithium battery power supply,2200mAh
Response time	1~5 second(s)
Warm-up time	100 seconds
Probe unit rod length	22cm
Lifespan	>10 years
Calibration	Calibration every six months
Weight	0.7 Kg

Lectotype Table(part gas)

Model	Measured gas	Measurement range (volume content)	Measurement precision
PGas-32-CO ₂ -1	CO ₂ gas	0~5%	±5%rdg
PGas-32-CO ₂ -2	CO ₂ gas	0~20%	±5%rdg
PGas-32-CO ₂ -3	CO ₂ gas	0~65%	±5%rdg
PGas-32-CO ₂ -4	CO ₂ gas	0~100%	±5%rdg
PGas-32-CO-1	CO gas	0~20000ppm	±2% F.S
PGas-32-CO-2	CO gas	0~10%	±2% F.S
PGas-32-SF ₆	SF ₆ gas	0~1000ppm	±2% F.S
PGas-32-CH ₄ -1	CH ₄ gas(methane)	0~4.4% (0~100%LEL)	±2% F.S
PGas-32-CH ₄ -2	CH ₄ gas(methane)	0~100%	±2% F.S
PGas-32-C ₂ H ₆	C ₂ H ₆ gas (ethane)	0~2.4 % (0~100%LEL)	±2% F.S
PGas-32-C ₃ H ₈	C ₃ H ₈ gas(propane)	0~1.7% (0~100%LEL)	±2% F.S
PGas-32- C ₄ H ₁₀	C ₄ H ₁₀ gas(butane)	0~1.4% (0~100%LEL)	±2% F.S
PGas-32- C ₂ H ₂	C ₂ H ₂ gas(acetylene)	0~2.3% (0~100%LEL)	±2% F.S
PGas-32- C ₂ H ₄	C ₂ H ₄ gas (ethylene)	0~2.4% (0~100%LEL)	±2% F.S

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