



MY102P

Handheld Pump Suction Gas Detector

The MY102P handheld pump-suction gas detector is a newly built high-end detector, using brand new original imported sensors and 32-bit low-power processors; the circuit adopts 4-layer wiring, which has stronger weak signal processing and anti-interference capabilities; independent high-precision imported AD chip, equipped with a unique signal processing algorithm, the measurement results are more accurate and stable; 2.5-inch dot matrix display interface, the readings are intuitive and generous.

The products are widely used in: petroleum and petrochemical, metallurgy, chemical industry, coking, municipal administration, biopharmaceuticals, home environmental protection, school laboratories, automobile exhaust, electricity, ships, sewage treatment and other places where flammable, explosive, toxic and harmful gases need to be detected.

Features and benefits

Using brand new original imported sensors

32-bit low-power processors

Aluminum alloy metal shell

Independent high-precision imported AD chip, equipped with a unique signal processing algorithm, the measurement results are more accurate and stable

2.5-inch dot matrix display ine

The circuit adopts 4-layer wiring, with stronger weak signal processing and anti-interference capabilities

Unit of %VOL, %LEL, ppm, mg/m³

USB data storage (optional)

Specifications and configuration

Name	MY102P
Product Name	Handheld Pump Suction Gas Detector
Detection Principle	Electrochemistry, infrared detection, PID, thermal conductivity, catalytic combustion
Display Mode	2.5-inch dot matrix LCD digital display
Display Units	%VOL, %LEL, ppm, mg/m ³ optional
Backlight	Bright white LED backlight
Alarm Method	Sound and light alarm, dual-color LED alarm light, sound ≥75dB@25cm
Accuracy	≤±3%FS
Warm-Up Time	The default time is 90 seconds, and may vary for different sensors.

Output Signal	USB data storage (optional)
How It Works	Pump suction/diffusion
How To Operate	Key Operation
Main Material	Aluminum alloy metal shell
Installation	Wall-mounted pipe integrated
Operating Temperature	-20℃ ~ +50℃ (special requirements need to be customized)
Operating Humidity	10%RH ~ 95%RH (no condensation)
Operating Voltage	Built-in high-performance imported lithium battery, nominal voltage: 3.7VDC
Battery Life	≥12 hours (electrochemical sensor at room temperature)
Power Consumption	0.5W
Work Pressure	86KPa~106KPa
Weight	About 0.46 Kg, about 0.26 Kg
Explosion Proof Signs	Ex ib IIC T4 Gb
Protection Level	IP54
Implementation Standards	GB15322.3-2019 , GB/T 3836.1-2021, GB/T 3836.2-2021, GB/T 3836.4-2021, GB12358-2006

Accessories

Manual、Charger、Calibration certificate