

LSLF1001
Portable SF₆ Gas Leak Detector



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Description:

The LSLF1001 type portable SF₆ gas leak detector is a high-precision SF₆ gas leak quantitative detection equipment based on the principle of Non-Dispersive InfraRed (NDIR), which has the characteristics of strong anti-interference, low detection limit, and fast response speed.

The product is composed of a movable portable host and a lightweight sampling handheld, with a built-in large-capacity rechargeable lithium battery and a continuous working time of more than 12 hours. The device is equipped with a high-definition dual color screen, which can display real-time test values and curves, making it easy to locate leakage points. Multi-stage filters are installed in the sampling gas path to avoid equipment contamination. The equipment embedded intelligent software system can monitor the equipment status in real time, quantitatively detect SF₆ concentration, analyze the leakage rate, and issue multi-level sound and light alarms.

The products are widely used in the field of safety testing and equipment maintenance in electric power, railway, metallurgy, petrochemical and other industries.

Features:

- The minimum detection limit is less than 0.3 ppmv.
- Anti-cross-interference,high sensitivity,fast response.
- Zero point, SPAN calibration and user calibration are supported.
- It has an intelligent self-test function to monitor the status in real time and provide maintenance tips.
- The device is equipped with a high-resolution, high-definition large screen. The dual screens can be displayed independently, supporting numerical and curve switching.
- Support switching between Chinese and English.
- Multi-level audible and visual alarms, users can set alarm thresholds, and immediately trigger sound, indicator lights and display alarms when the limit is exceeded.
- It supports automatic and manual data saving, and can export data and upgrade software via USB.
- Multi-unit display, optional ppmv, mbar • L/s, mL/s, g/s
- Wide operating temperature range (-20~50°C), internal temperature and pressure monitoring, high altitude and other area measurements, with automatic compensation function.

Product configuration:

- It adopts a large-capacity rechargeable lithium battery, and the continuous working time can reach more than 12 hours.
- With a portable design, it is easy to carry and can be used for both portable and desktop work.
- Leak detector (host & handheld) 1
- Power adapter 1
- USB flash drive 1
- Sampling probe 1
- Portable strap 1
- Portable transport case 1
- Instructions 1

Technical parameters:

Detection range	0~1000ppmv
Response time(T90)	≤8 s
Detection accuracy	≤20 ppmv时, ≤±1 ppmv >20 ppmv时, ≤±5 %
Display resolution	0.01 ppmv
Minimum detection limit	≤0.3 ppmv
Zero drift	≤± 1% (FS/Y)
Range drift	≤±10% FS
Repeatability	≤±1%
Warm-up time	<1 min
Operating temperature	-20~50 °C
Operating humidity	≤90 %RH, No condensation
Screen size	Host:7inches.Handheld:2.4 inches
Battery life	>12 h
Alarm function	Multi-level audible and visual
Leak rate calculator	Bandaging method
Data storage	Automatic and manual saving
Unit selection	ppmv、g/s、 mL/s、 mbar • L/s
Size	Host: 240*220*94 mm Handheld: 220*77*95 mm
Weight	Host: <2.5 kg Handheld: <0.5 kg