



GDWG-V SF6 Gas Leakage Detector



General Information

GDWG-V SF6 Gas Leak Detector is infrared type leak detector (NDIR technology). It adopts smart quick intelligent power test system (Soft No. 1010215, trademark registration number 14684781). It rapidly detects SF6 breaker, GIS leakage point and yearly leakage rate qualitatively and quantitatively. It's a good device suitable for power supply department, installation and overhaul unit, power test institute.

Application

- High Voltage Switch Equipment
- Rotor vane of helicopter
- Gas transmission system
- To detect fire extinguisher

- Ventilation efficiency research of Buildings
- To detect danger
- Storage tank

Advantages

- No radiation.
- No need to replace high pressure high purity argon gas regularly.
- No need to approach high pressure gas.
- No need to replace sensors regularly, cost-effective.
- Stable performance, low maintenance cost. No need to make linear calibration every year.
- No effect by moisture and environment pollution.
- High sensitivity, up to 0.01ppmv.
- Double range auto switching and auto judgement, test speed < 2s.
- When serious leakage or the SF6 gas concentration is up to 100%, it will not be polluted or damaged.

- **Features**

- OLED display, legible in the strong sunlight.
- Built-in lithium battery.
- User-defined alarm with sound and light.
- High sensitivity and good accuracy.
- Fast measurement speed, time is up to 2s.
- Temperature and pressure compensation.
- Only response for SF6 gas, not for other gas.
- Small size, easy to carry, suitable for on-site working.
- With gasbag non-slip straps, more comfortable to carry.
- Data storage up to 8000groups.
- Super-light aluminum with full shielding shell.

Specification

Measuring principle	Non-dispersive infrared sensor (NDIR), dual-wavelength principle
Measuring range	0-1500ppm SF6
Accuracy	$\pm 2\%$ FS(0-1500ppm)
Repeatability error	$\leq \pm 1\%$
Response time	≤ 2 s
Recovery time	≤ 8 s
Stability	$\leq \pm 20$ ppm, more than 1000hours
Zero drift	$\leq \pm 1\%$ (F.S/year)
Linear error	$\leq \pm 1\%$
Display	double display color LCD, Incell display
Storage temperature	-20~+60°C
Operation temperature	-20~+50°C
Sampling mode	pump suction, flow > 1L/min.
Working voltage	220VAC $\pm 10\%$,50Hz Or Built-in Li-battery.

Battery	charging time 3 hours, can be used continuously for more than 12 hours, can work well if external power supply is connected.
Peak current	<700mA
Average power	<2W
Air pressure	800~1150hPa
Dimension	160*70*220mm, 106*170*120mm
Weight	2kg