

# Portable / Handheld SF<sub>6</sub> Leak Detector

Model : GD - 102 (SF<sub>6</sub>)



Protects **Personnel, Plant  
& Assets**

## Portable SF<sub>6</sub> Solid State & NDIR based Gas Leak Detector



HNL presents this SF<sub>6</sub> Leak Detector as the most stable and sensitive wavelength NDIR and Solid state sensor based SF<sub>6</sub> leak detector. An advanced micro-controller is the heart of this unit. Its digital signal processing capability permits better management of the circuitry. SF<sub>6</sub> has reduced components, enhance reliability and performance. The micro-controller analyzes the sample and voltage, compensates for even the most minor fluctuations in signal.

This translates into a stable and dependable tool in almost any environment. Convenience features like large graphic display have been incorporated to enhance the usability of the SF<sub>6</sub>. Display show a progressive and wide ranging leak size indication, communicates the sensitivity level, and provide a true indication.

### SPECIAL FEATURES

- Automatic operation, moisture / vapour immunity
- Self diagnostic check, proven sensor technology
- Free from Induced Voltage effects
- Continuous, stable alphanumeric readout
- Long life rechargeable batteries
- Data logging and Rs 232 output capability

### APPLICATIONS

- Detects leaks in high voltage transformers, SF<sub>6</sub> circuit breakers, high voltage switchgears radar waveguides, etc.
- Locates SF<sub>6</sub> leaks in compressed air, gases and vacuum systems.
- Detects SF<sub>6</sub> leaks in refrigeration and air conditioning system

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## SPECIFICATIONS

Type	Portable
Sensor	Solid state, Non-Dispersive Infra Red Sensor
Detectable gases / parameters	Sulfur Hexa-Fluoride (SF <sub>6</sub> )
Electronics / processor	Micro-controller Based
Power supply	Lithium-Ion Rechargeable Battery with Charger
Display	Graphic LCD
Alarm	Audio / Visual
Digital Output	Data logger
Range	0 - 2000 PPM
Accuracy	± 2 %
Minimum sensitivity	1 PPM
Response time (t <sub>90</sub> )	Immediate i.e approx. 20s (@ 0.5 l/min)
Operating temperature	-10°C to +50°C
Storage temperature	-20°C to +60°C
Sampling	Auto-suction
Housing	Plastic
Included accessories	Batteries, Battery charger/adaptor, Manual
IP Rating	IP 65
Resolution	0.1 PPM
Warm-up time (Start-up)	< 30 seconds
External dimension	225 * 106 * 40 mm approximately
Weight	Approx. 500 gm (with battery)

*Note : Specifications and Features will vary with application. There may be changes overtime due to continuous development process.  
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