

# Portable / Handheld SF6 Leak Detector

Model : 3 - 033 - R002



Protects **Personnel, Plant  
& Assets**



## TECHNOLOGY

HNL is proud to present this tool from Dilo as the most stable and sensitive negative corona SF6 leak detector ever made. An advanced microprocessor is the heart of this unit. Its digital signal processing capability permits better management of the circuitry and sensing tip signal than ever before. Additionally, the number of components used in the SF6 circuit is reduced nearly by 40%, thus increasing reliability and performance when searching for leaks. The microprocessor monitors the sensing tip and battery voltage levels 2000 times per second, compensating for even the most minor fluctuations in signal. This translates into a stable and dependable tool in almost any environment.

Convenience features have been added to enhance the usability of the 3-033-R002. It provides seven levels of sensitivity from level 1 to level 7. Its unique tri-color LEDs show a progressive and wide ranging leak size indication, communicate the sensitivity level, and provide a true voltage indication of battery power level. A tactile keypad controls all functions of operation. A revolutionary new case design gives the user grip and control, and places the visual indicators in direct sight during use.

## SPECIAL FEATURES

- Microprocessor control
- Advanced digital signal processing
- Tricolor visual LED display and audible signal for progressive leak size indication
- Seven levels of sensitivity
- Tactile keypad controls
- Real-time SF6 sensitivity adjustment
- Battery test function
- Battery voltage indication
- True mechanical pumping provides positive airflow through sensing tip
- Mute feature included
- Cordless and portable
- Comfortable one hand operation
- One year warranty

**HNL Systems Pvt. Ltd.**

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## SPECIFICATIONS

Type	Portable
Detectable gases / parameters	SF6, halogenated refrigerants
Electronics / processor	Micro-controller
Power supply	Dry cell
Display	Tricolor visual display, LED bar graph
Alarm	18 alarm levels
Technology	Ion vacuum
Resolution	Leak rate 5 g/year
Response time	1 sec
Operating temperature	0 - 55 °C
Sampling	Auto-suction
Housing	Plastic
Accessories	Spare sensor tip, PVC hard carry case
Certifications	CE, EMI
Measuring principle	Ion - vacuum principle
Maximum sensitivity	Certified for SF6@ 0.5 oz / year (14 gr/year)
Duty cycle	Continuous, no limitation
Reset time	1 second
Warm-up time	Approximately 2 seconds
Unit weight	560 grams
Unit dimensions	229 x 65 x 65 mm
Fixed probe length	355 mm

*Note : Specifications and Features will vary with application. There may be changes overtime due to continuous development process.  
@ 2017*

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