

# SF6 LEAKMATE

SF6 LEAK DETECTOR



LOW COST SF6 LEAK DETECTOR

[ionscience.com](http://ionscience.com)

Pioneering Gas Sensing Technology.





# THE SF6 LEAKMATE IS AN EASY TO USE COST EFFECTIVE LEAK DETECTOR WITH SELECTABLE SENSITIVITY AND AUTOMATIC ZERO

## Overview

The SF6 LEAKMATE leak detector is a great device for mobile SF<sub>6</sub> leak detection. In practical use, it has a detection threshold of  $1 \times 10^{-6}$  mbar l/s, which makes it perfectly suitable for simple leak detection applications on SF<sub>6</sub> switchgear.

The easy to use, processor controlled instrument features both an audible alarm and an LED bar graph display, allowing estimation if a small, medium or big leak is being detected.

The leak detector automatically compensates all ambient influences like temperature changes or movement of air in the room. Intelligent control sets up the instrument appropriately for the ambient situation.

It then uses the present gas concentration as its zero line and begins to look for even higher gas concentrations, which by all means occur when a leak is approached. This will again be indicated audibly and visually. It is possible to determine leaks even in seriously contaminated areas.

## Key Features

- Cost effective
- Easy to use
- Leakrates down to  $1 \times 10^{-6}$  cc/s
- Selectable sensitivity
- Automatic zero
- Battery test display
- Audio alarm

## Key Application:

- Leak detection on SF<sub>6</sub> switchgear
- Service and maintenance in SF<sub>6</sub> switchgear production
- Mobile leak detection on test equipment for differential pressure, mass flow, etc





## Technical specifications

### Detector

- High voltage ionisation

### Sensitivity

- $1 \times 10E-6$  mbar l,s for SF<sub>6</sub>

### Response Time

- Approx. 1 s

### Audio

- Sound pitch proportionally follows leak rate

### Display

- 7 position LED bar graph

### Sniffing Probe

- 355 mm flexible pipe

### Operating Temperature Range

- - 20 °C to 50 °C

### EMC Rating

- CE declaration of conformity

### Dimensions

- 330 x 280 x 125 including transport case

### Weight

- 2100 g including accessories

SF6 Leakmate V1.0. This publication is not intended to form the basis of a contract and specifications can change without notice.

### Distributed by:

#### ION Science Ltd

The Hive, Butts Lane,  
Fowlmere,  
Cambridgeshire,  
SG8 7SL, UK

T +44 (0)1763 208503

E [info@ionscience.com](mailto:info@ionscience.com)