



# SF6 GasCheck 6000

**Low cost,  
effective  
detection of SF6  
leaks.**



The SF6 GasCheck 6000 is a low cost, portable detector for the fast detection of SF6 leaks.



- Fast, accurate leak detection
- Easy to use
- Portable
- Low cost operation
- Automatic range shifting
- Simple solution for SF6 switchgear leaks
- Audible alarm and LED bar graph display
- Detects small to large leaks
- Automatic compensation to ambient conditions
- Detects leaks in serious contaminated areas
- Intelligent control system

## The ideal low cost SF6 leak detector

The SF6 GasCheck 6000 leak detector is a great device for mobile SF6 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 SF6 switchgear.

The easy to use, processor controlled instrument features both an audible alarm and an LED bar graph display, letting you know if a small, medium or big leak has been 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.

## The 'Auto Shift' function

The exclusive 'Auto Shift' function compensates for any SF6 concentration that may be present at the measuring site, e.g. caused by previously escaped leakage gas.

SF6 GasCheck 6000 automatically detects the highest present gas concentrations, and selects the corresponding measuring range. 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 thus possible to determine leaks even in an already seriously contaminated area.

The assessment of large leaks is often useful to get an idea of a component's leak tightness, before much more sensitive instruments like SF6 LeakCheck P1:p must be used.

## What's included

- 1 x SF6 GasCheck 6000 leak detector
- 1 x transport case
- 1 x sensor protective cap
- 1 x water vapor filter
- 1 x user manual (multilingual)

## Applications include

- SF6 Switchgear • Service & maintenance in SF6 switchgear production
- Mobile leak detection on test equipment (pressure, mass flow..)

## TECHNICAL SPECIFICATION

### DETECTOR

High voltage ionisation

### SENSITIVITY

$1 \times 10^{-6}$  mbar l/s for SF6

### RESPONSE TIME

Approximately 1 second

### AUDIO

Sound pitch proportionally follows leak rate

### DISPLAY

8 position LED bar

### SNIFFING PROBE

385 mm flexible pipe

### OPERATING TEMPERATURE

-20 to +60°C (-4 to 122 °F)

### EMC RATING

CE declaration of conformity

### WEIGHT & DIMENSIONS

1.16 kg (2.5 lb) including accessories

230 x 75 x 300 mm (9 x 2.9 x 11.8") including transport case

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