

The image features a black handheld SF6 leak detector with a yellow tip and a control panel with a yellow button and a scale. It is positioned in the foreground against a background of an electrical substation with metal structures and power lines under a blue sky. A semi-transparent dark blue banner is overlaid on the middle of the image, containing the product name and description in white text.

SF6 GASCHECK 6000

SF6 LEAK DETECTOR

LOW COST, EFFECTIVE DETECTION
OF SF6 LEAKS.

ionscience.com

Unrivalled Gas Detection.





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 1×10^{-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 vapour 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 specifications

DETECTOR

- High voltage ionisation

SENSITIVITY

- 1×10^{-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

SF₆ GasCheck 6000 V2.0. This publication is not intended to form the basis of a contract and specifications can change without notice.

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