

Gas leak detectors

For quick detection and quantification of small SF₆ leaks

3-033-R200

SF₆-LeakSpy (Sensor length 300 mm)

3-033-R201

SF₆-LeakSpy (Sensor length 550 mm)

The cordless battery-operated SF₆ LeakSpy precisely measures SF₆ concentration in air by means of a non dispersive infrared sensor (NDIR sensor) and indicates the value on a graphic display in ppmv. The device allows precise localisation of leaks by searching the highest SF₆ concentration. Thanks to the high accuracy and the low detection limit it is possible to carry out integral measurements as well as measurements for determination of leakage rates.

To protect the device from particles the sensor is equipped with a filter which can be cleaned and/or exchanged easily by the operator. In case there is SF₆ contamination already existing, the LeakSpy can be adjusted to this value. Thus it is possible to detect leakages even in already contaminated areas. The SF₆ concentration is indicated in ppmv as well as by an audible signal.



The SF₆ LeakSpy allows the detection and quantification of smallest SF₆ concentrations (indication accuracy: 1 ppm_v)

- Detection of SF₆ leakages up to 3 g / year
- Quick response time
- No cross sensitivity to moisture and volatile organic compounds (VOCs)
- Small, lightweight, easy to use
- Battery-operated (operating time > 12 hours)
- Exchangeable accumulator (parallel loading of a second accumulator in separate charging unit possible)

Gas leak detectors

3-033-R200 / 3-033-R201

SF₆ LeakSpy

Technical data:

Dimensions 3-033-R200 : W 125 mm, H 142 mm, L 280 / 555 mm (without / with sensor)
Dimensions 3-033-R201 : W 125 mm, H 142 mm, L 280 / 805 mm (without / with sensor)
Sensor length: 300 mm (R200) / 550 mm (R201)
Weight: 1,580 g
Power supply: lithium ion batteries (operating time > 12 hours)
Measuring range: 0 – 1.000 ppm _v SF ₆
Detection limit: 3 ppm _v SF ₆
Sensitivity: 3 g SF ₆ / year
Accuracy: < 50 ppm _v ±2 ppm _v ; 50 - 100 ppm _v ±5 ppm _v ; 100 - 1000 ppm _v ±2%
No cross sensitivity to moisture (0 - 100 % relative moisture, non condensing) and volatile organic compounds
Indication accuracy: 1 ppm _v
Indication unit: ppm _v , g/y, cc/s
Operating temperature: 0 °C to +50 °C
Storage temperature: -10 °C to +60 °C
Measuring principle: non-dispersive infrared sensor (NDIR)
Response time: T90: < 1s
Temperature and pressure compensated
Indication: graphic display + audible signal

Standard equipment:

Carrier case
Battery charger
1 accumulator
Separate charging unit
1 operating manual (multilingual) on CD-ROM

Optional accessories at an extra charge:

Particle filter	5008928
Transparent cap	5008933
Additional accumulator	5008922
Carrier case (for replacement) without foam lining	5006807
Foam lining for carrier case	5009110
Additional operating manual on CD-ROM	6-0004-R213

Packing:

Packing for 3-033-R200 / 3-033-R201	3-775-R029-C
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