

3-033-R200

## LeakSpy<sup>SF6</sup> (Sensor length 300 mm)

### For quick detection and quantification of small SF<sub>6</sub> leaks

The cordless battery-operated LeakSpy<sup>SF6</sup> precisely measures SF<sub>6</sub> concentrations in air by means of a non-dispersive infrared sensor (NDIR sensor) and indicates the value on a graphic display in ppm<sub>v</sub>. The device allows precise localisation of leaks by searching the highest SF<sub>6</sub> 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 leak 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 SF<sub>6</sub> contamination already existing, the LeakSpy can be adjusted to this value. Thus, it is possible to detect leaks even in already contaminated areas. The SF<sub>6</sub> concentration is indicated in ppm<sub>v</sub> as well as by an audible signal.



### Standard version

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- shoulder belt
- measuring sensor extension (length: 1 m)
- transport case
- battery charger
- 1 accumulator
- separate charging unit
- operating manual

### Special features

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- Gas type: SF<sub>6</sub>

## Advantages & functions

- detection of SF<sub>6</sub> leakages up to 3 g / year
- quick response time
- no cross sensitivity to moisture and most volatile organic compounds (VOCs)
- small, lightweight, easy to use
- a shoulder belt facilitates mobile and ergonomic working
- battery-operated (operating time > 12 hours)
- exchangeable accumulator (parallel loading of a second accumulator in separate charging unit possible)
- temperature and pressure-compensated

## Technical data

Dimensions (W x H x D)	125 x 142 x 280 mm
Length	300 mm Sensor
Weight	1.58 kg
Power supply	Lithium ion batteries (operating time > 12 hours)
Sensitivity	3 g/y SF <sub>6</sub>
Response time	< 1 sec T90
Storage temperature	-10 to +60 °C
Detection limit	3 ppm SF <sub>6</sub>
Operating temperature	0 to +50 °C
Measuring principle	non-dispersive infrared sensor NDIR
Indication	graphic display + audible signal
Resolution	1 ppm
Accuracy	< 50 ppmv: ±4 % (of 50 ppmv) $\triangleq$ ±2 ppmv; 50 - 100 ppmv: ±5 % (of 100 ppmv) $\triangleq$ ±5 ppmv; 100 - 1000 ppmv: ±2 % (of 1000 ppmv) $\triangleq$ ±20 ppmv
Indication unit	ppm, g/y, cc/s
Measuring range	0 - 1000 ppm SF <sub>6</sub>

## Optional accessories

05-1964-R001	Shoulder belt
05-1641-R010	Measuring hose
3-033-R200-20	Sensor
05-1177-R010	Particle filter
05-1894-R001	Transparent cap
05-1547-R006	Additional accumulator
05-1522-R008	Carrier case (for replacement) without foam lining
05-0898-R014	Foam lining for carrier case