

SF₆ gas detectors

For quick detection and quantification of small SF₆ leaks

3-033-R200

SF₆-LeakSpy (Sensor length 300 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 ppm_v. 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 ppm_v as well as by an audible signal.



The measuring sensor extension (included in the scope of supply), which can be installed between the device and the measuring sensor, if necessary allows measurements on measuring points difficult to access.

- Detection of SF₆ 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)

3-033-R200

SF₆ LeakSpy

Technical data:

Dimensions 3-033-R200 : W 125 mm, H 142 mm, L 280 / 555 mm (without / with sensor)
Sensor length: 300 mm
Weight: 1,580 g
Power supply: lithium ion batteries (operating time > 12 hours)
Measuring principle: non-dispersive infrared sensor (NDIR)
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 : ±4 % (v. 50 ppm _v) ± ±2 ppm _v ; 50 - 100 ppm _v : ±5 % (v. 100 ppm _v) ± ±5 ppm _v ; 100 - 1000 ppm _v : ±2 % (v. 1000 ppm _v) ± ±20 ppm _v
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
Response time: T90: < 1s
Temperature and pressure compensated
Indication: graphic display + audible signal

Standard equipment:

Shoulder belt
Measuring sensor extension (Length: 1 m)
Carrier case
Battery charger
1 accumulator
Separate charging unit
1 operating manual (multilingual) on CD-ROM

Optional accessories (spare parts) at an extra charge:

Shoulder belt	5009904
Measuring hose	5007237
Sensor	3-033-R200-20
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	05-1990-R002
------------------------	--------------