



## ■ SF<sub>6</sub> GAS DETECTORS



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

3-033-R200

**LEAKSPY<sup>SF6</sup>** (Sensor length 300 mm)

The cordless battery-operated LEAKSPY<sup>SF6</sup> precisely measures SF<sub>6</sub> concentration 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 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 SF<sub>6</sub> contamination already existing, the LeakSpy can be adjusted to this value. Thus it is possible to detect leakages 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.



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 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)





3-033-R200

**LEAKSPY** SF<sub>6</sub>**Technical data:**

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| 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 <sub>v</sub> SF <sub>6</sub>  |
| Detection limit: 3 ppm <sub>v</sub> SF <sub>6</sub>  |
| Sensitivity: 3 g SF <sub>6</sub> / year  |
| Accuracy: < 50 ppm <sub>v</sub> : ±4 % (v. 50 ppm <sub>v</sub> ) ± ±2 ppm <sub>v</sub> ; 50 - 100 ppm <sub>v</sub> : ±5 % (v. 100 ppm <sub>v</sub> ) ± ±5 ppm <sub>v</sub> ; 100 - 1000 ppm <sub>v</sub> : ±2 % (v. 1000 ppm <sub>v</sub> ) ± ±20 ppm <sub>v</sub> |
| No cross sensitivity to moisture (0 - 100 % relative moisture, non condensing) and volatile organic compounds  |
| Indication accuracy: 1 ppm <sub>v</sub>  |
| Indication unit: ppm <sub>v</sub> , 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:**

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| Shoulder belt                            |
| Measuring sensor extension (Length: 1 m) |
| Carrier case                             |
| Battery charger                          |
| 1 accumulator                            |
| Separate charging unit                   |
| Operating manual                         |

**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                        | 6-0004-R213   |

**Packing:**

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|------------------------|--------------|
| Packing for 3-033-R200 | 05-1990-R002 |
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