

# Gas leak detectors

**For quick detection and measuring small SF<sub>6</sub> leaks**

3-033-R100

**SF<sub>6</sub> Leakcheck**

3-033-R110

**SF<sub>6</sub> Leakcheck HighSens Version**

The SF<sub>6</sub> Leakcheck serves for detection of SF<sub>6</sub> leaks and allows tracing of even smallest leaks on all SF<sub>6</sub> components in a safe and reliable way. The detection limit of the leak system is 1\* 10<sup>-7</sup> mbar l/s (...R100) and 1\* 10<sup>-8</sup> mbar l/s (...R110). The device can be switched over from search mode to measuring mode or concentration measurement.

The Leakcheck is also suitable for the integral leak measurement in closed rooms.



- Programmable alarm threshold
- Comfortable one-hand operation
- Quick return to zero position even after detection of large leaks
- Integral concentration measurement in closed rooms is possible
- LCD touch screen / data storing
- Data transfer via serial interface

## Gas leak detectors

3-033-R100 / 3-033-R110

### SF<sub>6</sub> Leakcheck

#### SmartSensor

The system's wear parts are integrated in a plug-in SmartSensor which can be exchanged for maintenance by the operator within a few seconds. Since three SmartSensors are already included in the scope of supply availability of the system is increased considerably. The end of the sensor lifetime is indicated.

#### Standard equipment:

SF <sub>6</sub> Leakcheck with LCD touch screen
Robust, waterproof plastic case
Hand-held device with 5 m long cable, pluggable
3 pieces of SmartSensors (calibrated)
Power cable
Calibration certificate
1 operating manual (multilingual) on CD-ROM

#### Technical data:

Case dimensions: W 486 mm, H 194 mm, D 398 mm
Weight (console): 12.5 kg
Weight (hand-held device): 563 g
Detector: NIC (high voltage ionisation detector)
Detection limit of leak system: up to $1 \cdot 10^{-7}$ mbar l/s or 1 ppm <sub>v</sub>
HighSens version (3-033-R110): up to $1 \cdot 10^{-8}$ mbar l/s or 0.1 ppm <sub>v</sub>
Response time t <sub>90</sub> : approx. 0.5 s
Recovery time t <sub>10</sub> : approx. 0.5 s
Alarm signal: audible signal, status LED, vibration alarm
Indication: hand-held device with analogue indication, basic unit with digital display, text indicator
Measuring data storage: approx. 100 measuring data can be stored possible transfer to PC or printer via serial interface
Self-diagnosis: suction quantity, sensor lifetime, state of battery charge, hardware failure
Battery: integrated accumulator with automatic charge control, measuring operation (approx. 10h)
Operating temperature: 0 °C to 50 °C
Storage temperature: -10 °C to 60 °C
Operating voltage: 100 - 265 V / 50 - 60 Hz

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**Accessories:**

Spare SmartSensor	3-033-R101
SmartSensor (maintenance)	3-033-R102
5 m long cable extension	3-033-R103
10 m long cable extension	3-033-R104
15 m long cable extension	3-033-R105
300 mm long sensor extension	3-033-R106
500 mm long sensor extension	3-033-R107
Leak calibrator, leak rate min. $3 \cdot 10^{-8}$ , max. $1 \cdot 10^{-2}$ mbar l/s, indication required	3-033-R108
Front filter (package 10 pieces each)	3-033-R109
Additional operating manual on CD-ROM	6-0004-R213
Packing	3-775-R031-C