



■ FOR LEAK DETECTION

For quick detection and quantification of smallest leaks

C4-3-033-R400

LEAKSPY^{C4} for gas mixtures with 3M™ Novec™ 4710*

The cordless battery-operated LEAKSPY^{C4} precisely measures the 3M™ Novec™ 4710 concentration in air by means of a non-dispersive infrared sensor (NDIR sensor) and indicates the value on a graphic display in ppm. The device allows precise localisation of leaks by searching the highest 3M™ Novec™ 4710 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 3M™ Novec™ 4710 contamination already existing, the LEAKSPY^{C4} can be adjusted to this value. Thus, it is possible to detect leaks even in already contaminated areas. The 3M™ Novec™ 4710 concentration is indicated in ppm as well as by an audible signal.



- Detection of leaks 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)

*) 3M and Novec are registered trademarks of 3M.



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LEAKSPY ^{C4}**Technical data:**

Dimensions: Width 125 mm, Height 142 mm, Length 280 / 555 mm (with / without measuring sensor)
Measuring sensor length: 300 mm
Weight: 1.580 g
Power supply: lithium ion batteries (operating time > 12 hours)
Measuring range: 0 – 1.000 ppm, (3M™ Novec™ 4710)
Detection limit: 3 ppm (3M™ Novec™ 4710)
Sensitivity: 3 g 3M™ Novec™ 4710 /year
Accuracy: ≤ 50 ppm: ≤ ±2 ppm; 50 - 100 ppm: ≤ ±5 ppm; 100 - 1000 ppm: ≤ ±2 % of measuring range
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: < 1 s
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
Operating manual

Optional accessories (spare parts) at an extra charge:

Shoulder belt	5009904
Measuring hose	5007237
Measuring 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 C4-3-033-R400	3-775-R104
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