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SR-LD 800/200 Reliably detect gas leaks over long distances





Increase Efficiency and Safety

Checking house connections beyond fences and effortlessly detecting gas pipelines under bridges are typical scenarios where the **SR-LD 800** and the **SR-LD 200** make your work more efficient and safer.

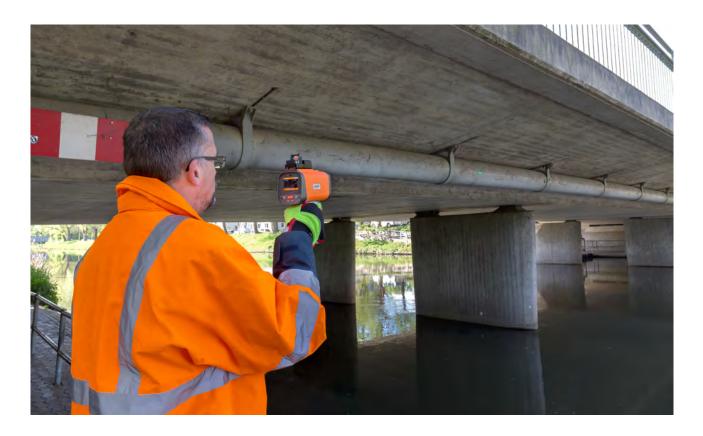
Furthermore, all components of a biogas plant can be easily checked for leaks. Remote detection technology allows, for example, the tightness of the membrane connection on the tank crown and cable penetrations to be inspected from the ground without the need to climb ladders. The **SR-LD** devices also enhance the safety of utility emergency services by allowing the detection of elevated gas concentrations even before entering a house, including upper floors, thus minimizing risks for the personnel.



Detect Small Leaks Safely

Thanks to the excellent resolution of the measurement laser, these devices achieve high sensitivity. The **SR-LD** are designed for methane gas detection and are not affected by interference from other gases due to the TDLAS technology used.





Locate Gas Leaks up to 200 m Away

These devices excel in detecting methane leaks even at distances of up to 200 m. A laser beam emitted by the detector reflects off a surface (e.g., wall, ground). If methane is present along the measurement path, the laser signal is attenuated by the methane. The device calculates methane concentration based on this signal attenuation. The instruments ensure reliable leak detection and clear indication by automatically adjusting to changes in distance. Their long laser range facilitates the inspection of exposed gas pipelines in challenging areas, not only across fences but also along busy roads or within industrial facilities.

Quick to Deploy and Long-lasting

Both remote detectors are highly compact, lightweight and user-friendly. They can be fully charged in just 2.5 hours and are ready for use at any time with spare batteries. The measurement lasers automatically calibrate within the carrying case.

- Up to 200 m range
- Operating time of up to 13 hours
- High sensitivity due to a resolution of the measuring laser of up to 2.5 ppm*m
- High precision with aiming sight
- Secure detection with automatic zero-point adjustment

Technical data





Device designation SR-LD 800

Dimensions (W \times D \times 76 \times 201 \times 248 mm H):

Weight: 954 g

Display LCD 2.3"

320 × 240 pixels

Controls: 5 buttons

Protection rating: IP54

Power supply: lithium-ion battery (rechargeable)

Operating time, typical: 7.5 h

Measurement/target class 1 / class 2

laser: (according to IEC 60825-1)

Measuring range: 0 – 100,000 ppm*m methane

Detection range: 0.5 – 200 m (in ideal

ambient conditions)

Measurement laser

resolution:

2.5 ppm*m ("Sensitivity" mode)

5 ppm*m ("Distance" mode)

SR-LD 200

 $58 \times 130 \times 202 \text{ mm}$

623 g

LCD 1.8"

240 × 320 pixels

3 buttons

IP54

lithium-ion battery (rechargeable)

> 13 h

class 1 / class 2

(according to IEC 60825-1)

0 - 100,000 ppm*m methane

0.5 – 120 m (in ideal ambient conditions)

5 ppm*m