

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, light-weight 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	SR-LD 200
Dimensions (W × D × H):	76 × 201 × 248 mm	58 × 130 × 202 mm
Weight:	954 g	623 g
Display	LCD 2.3" 320 × 240 pixels	LCD 1.8" 240 × 320 pixels
Controls:	5 buttons	3 buttons
Protection rating:	IP54	IP54
Power supply:	lithium-ion battery (rechargeable)	lithium-ion battery (rechargeable)
Operating time, typical:	7.5 h	> 13 h
Measurement/target laser:	class 1 / class 2 (according to IEC 60825-1)	class 1 / class 2 (according to IEC 60825-1)
Measuring range:	0 – 100,000 ppm*m methane	0 – 100,000 ppm*m methane
Detection range:	0.5 – 200 m (in ideal ambient conditions)	0.5 – 120 m (in ideal ambient conditions)
Measurement laser resolution:	2.5 ppm*m (“Sensitivity” mode) 5 ppm*m (“Distance” mode)	5 ppm*m

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