SEWERIN
Technologien für die Lecksuche.

SR-LD 800 • 200

Laser range up to 200 m

With the new laser remote detectors **SR-LD 800** and **SR-LD 200**, you will easily be able to detect methane gas leaks even over long distances of up to 200 m. A laser beam emitted by the detector is reflected on a surface (e.g. wall, ground). If there is any methane along the measuring section, the signal from the laser beam is attenuated by the methane. The device calculates the methane concentration from the signal attenuation. The devices ensure reliable detection and clear indication of leakage by automatically adjusting the zero point as soon as the distance changes.

Thanks to the large laser range, the devices make it easier to check exposed gas pipes, even in areas that are difficult to access, such as:

- industrial and biogas systems
- bridge pipelines
- very busy roads
- fenced off areas

High sensitivity
Thanks to the very good resolution of the measuring laser, the devices achieve high sensitivity. The **SR-LD 800** and **SR-LD 200** are designed exclusively for the detection of methane and are not affected by cross-influences from other gases due to the TDLAS technology used.

Short charging times
Both remote detectors are extremely compact, lightweight and easy to use. The devices are charged in merely 2.5 hours and are ready to use at any time with a back-up battery also being provided. Automatic adjustment of the measurement lasers takes place conveniently in the case.

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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

Please refer to our extensive range of products for all other technical information and accessories.
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