

# SR-LD 800

## Technical Data Sheet

Device data	
Dimensions (W x D x H)	76 x 201 x 248 mm
Weight	954 g

Certificates	
Marking	CE

Features	
Display	LCD 2.3" 320 x 240 pixels
Interface	<ul style="list-style-type: none"> <li>• charging socket</li> <li>• Bluetooth</li> </ul>
Control	5 keys
Sensor	lasers: <ul style="list-style-type: none"> <li>• measurement laser</li> <li>• distance laser</li> </ul>
Other features	<ul style="list-style-type: none"> <li>• audible alarm, can be deactivated</li> <li>• target laser</li> <li>• red dot sight</li> </ul>

Operating conditions	
Operating temperature	-20 – 50 °C
Humidity	30 – 90% r.h., non-condensing
Atmospheric pressure	800 – 1100 hPa
Protection rating	IP54
Non-permitted operating environments	in potentially explosive areas

Storage conditions	
Storage temperature	-20 – 50 °C
Humidity	30 – 90% r.h., non-condensing

<b>Power supply</b>	
Power supply	lithium-ion battery (rechargeable) [9066-5003]
Net weight of batteries	<ul style="list-style-type: none"> <li>• weight per cell: 0.0475 kg</li> <li>• total: 3 × 0.0475 kg = 0.143 kg</li> </ul>
Operating time, typical	7.5 h
Battery power	36 Wh
Charging time	approx. 2.5 h
Charging temperature	10 – 45 °C
Charging voltage	12.6 V
Charging current	2 A
charging socket	USB-C (approved for supplied charger only)
Charger	charger SR-LD

<b>Measurement laser</b>	
Laser class	1 (according to IEC 60825-1)
Feature	<ul style="list-style-type: none"> <li>• Infrared laser</li> <li>• invisible</li> <li>• distance for the safe detection of 100 % vol. CH<sub>4</sub> at 10 l/h: 50 m</li> </ul>
Wavelength	1653 nm
Measuring range	0 – 100,000 ppm·m methane
Resolution	<ul style="list-style-type: none"> <li>• “Sensitivity” mode: 2.5 ppm·m</li> <li>• “Distance” mode: 5 ppm·m</li> </ul>
Detection range	0.5 – 200 m (in ideal ambient conditions)
Response time	0.05 s

<b>Distance laser</b>	
Laser class	1 (according to IEC 60825-1)
Wavelength	905 nm
Output power	< 2.5 mW
Detection range	100 m

<b>Target laser</b>	
Laser class	2 (according to IEC 60825-1)
Feature	colour: green
Wavelength	530 nm
Output power	≤ 1 mW

<b>Additional data</b>	
Shipping instructions	<p>contains:</p> <ul style="list-style-type: none"> <li>• 1 lithium-ion battery included in equipment or packaged with equipment (UN 3481)</li> <li>• 36 Wh</li> </ul> <p>transport as per SV 188 ADR and VA 967, Part II IATA or VA 966, Part II IATA possible</p>

Subject to technical changes.