

SR-LD 800

Technical Data Sheet

Device data	
Dimensions (W × D × H)	76 × 201 × 248 mm (2.99 × 7.91 × 9.76 in)
Weight	954 g (33.39 oz)

Certificates	
Marking	CE

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

Operating conditions	
Operating temperature	-20 – 50 °C (-4 – 122 °F)
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 (-4 – 122 °F)
Humidity	30 – 90% r.h., non-condensing

Power supply	
Power supply	lithium-ion battery (rechargeable) [9066-5003]
Net weight of batteries	<ul style="list-style-type: none"> • weight per cell: 0.0475 kg (0.105 lb) • total: $3 \times 0.0475 \text{ kg} = 0.143 \text{ kg}$ ($3 \times 0.105 \text{ lb} = 0.315 \text{ lb}$)
Operating time, typical	7.5 h
Battery power	36 Wh
Charging time	approx. 2.5 h
Charging temperature	10 – 45 °C (50 – 113 °F)
Charging voltage	12.6 V
Charging current	2 A
charging socket	USB-C (approved for supplied charger only)
Charger	charger SR-LD

Measurement laser	
Laser class	1 (according to IEC 60825-1)
Feature	<ul style="list-style-type: none"> • Infrared laser • invisible • distance for the safe detection of 100 % vol. CH₄ at 10 l/h: 50 m (164 ft)
Wavelength	1653 nm
Measuring range	0 – 100,000 ppm·m methane
Resolution	<ul style="list-style-type: none"> • “Sensitivity” mode: 2.5 ppm·m • “Distance” mode: 5 ppm·m
Detection range	0.5 – 200 m (1.64 – 656 ft) (in ideal ambient conditions)
Response time	0.05 s

Rangefinder	
Laser class	1 (according to IEC 60825-1)
Wavelength	905 nm
Output power	< 2.5 mW
Resolution	1 m (3.28 ft)
Detection range	99 m (324.72 ft)

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

Additional data	
Shipping instructions	<p>contains:</p> <ul style="list-style-type: none"> • 1 lithium-ion battery included in equipment or packaged with equipment (UN 3481) • 36 Wh <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.