



SP1 Pipe Laser Boasts Outstanding Accuracy and Robustness





Advanced Functions Tailored for Easy Use

Robust and Watertight Body

The cast aluminum housing withstands harsh environments. The sealed body has undergone submerged tests at a depth of 5m (16.4ft.) for a minimum of 24 hours. Far exceeding the IPX7* specification, the SP1 is completely waterproof and will survive an accidental submersion in water.

* IPX7, as defined by IEC 60529 standards, is virtually the highest water protection grade for surveying instruments.

High-visibility Beam Spot

An exceptionally bright beam spot is generated by the highintensity laser diode.

Fast blinking mode further improves spot visibility — ideal for sunlit conditions.

User-friendly Controls

The slanted control panel provides easy viewing and operation in any situation. The 200m (660ft.) range SPRC1 remote controller is equipped as standard.





Long-life, Swappable Battery

The standard rechargeable BDC65 battery pack supplies continuous power for approx. 48 hours.

The BDC64 D-cell battery pack is available as an option. The battery pack can be swapped without disturbing set-up.

Targets and Legs

Two target sizes are available. Legs with rubber bumpers ensure stability in all types of pipe.



Wide Variety of Optional Accessories

From power supplies to setting-up kits, a wide range of optional accessories is available.

Consult your local SOKKIA agent for details.

SP1 Specifications

Sr i Specifications		
Light source / Wavelength		Laser Diode / 633nm (RED laser)
Laser class		CDRH (FDA): Class IIIa IEC: Class 3R
Beam diameter		Dia.12mm (0.47")
Grade range / Unit		-15 to +40% / 0.001% increments
Line control		±15% range
Beam grade detection		Absolute rotary encoder
Horizontal accuracy		±10 arc seconds
Self-leveling range		Beam axis: ±10% Cross axis: ±4°
Water protection		At a depth of 5m (16.4ft.) for a minimum of 24 hours
Operating temperature		-20 to +50°C (-4 to +122°F)
Continuous use at 20°C (68°F)		With standard Ni-MH battery BDC65: Approx. 48 hours
		With four D (R20) size alkaline batteries*: Approx. 70 hours
Size	w/o handle	Dia.122 x 330 mm (dia.4.8 x 13.0 in.)
	w/handle	Dia.125 x 374 mm (dia.4.92 x 14.72 in.)
Weight		Approx. 3.8 kg (8.4 lb.) (w/handle and battery BDC65)

^{*} An optional battery pack BDC64 required.

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