

# SOKKIA

Precision &  
Reliability



High Accuracy,

High value slope laser

## SDG1

Dual Grade Laser

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Dual-Grade Laser

## When Reliability Matters, SDG1 is the Right Answer

Rugged dual grade laser.

- $\varnothing$  800 m working range
- Wide grade range
  - X-axis:  $-10\%$  to  $+10\%$
  - Y-axis:  $-5\%$  to  $+25\%$
- LRC6 wireless remote control
- LR200 advanced detector



## Complete wireless control

The standard LRC6 remote control has exactly the same display and keys as the SDG1. This means all operations and settings can be performed wirelessly. Remote control range is 300 m. 9 radio channels are selectable to avoid interference with other devices. Change grade, select menu settings, check operational status, even verify battery life, all without touching the laser!



## Advanced laser detector

Sokkia's compact LR200 detector provides five channels of grade information, plus HI and SDG1 battery life indication. This all on a high-contrast display. It features dual screen, adjustable audible indication and 120 hours of operation from two AA batteries.



## The SDG1 sets standards for simplicity and accuracy



### Dual slope display

The SDG1 provides dual slopes up of  $\pm 10\%$  in the X-axis or up to and industry leading  $-5$  to  $+25\%$  in the Y axis. The new LRC6 remote that allows complete control of the SDG1 up to 300 meter.



### SDG1 menu display

The illuminated menu display shows:

- Masking electronic shutters up to to three quadrants to avoid interference with other lasers on the jobsite.
- Selectable rotationspeed:  
300, 600, or 900 rpm
- Selectable remote control channels
- Sensitivity selector, for strong winds or calm conditions.
- Hi-alert: Indicates when the laser has been disturbed preventing inaccuracies
- Hi-alert to sensor-turn HI signal to sensor ON or OFF.



## Specifications

	<b>SDG1</b>
Repeatability	±5 arc sec.
Horizontal Accuracy	±10 arc sec.
Grade Range	X: -10% to +10% (unit: 0.001% increments) Y: -5% to +25% (unit: 0.001% increments)
Working Range	770 m
Rotation Speed	300/600/900 rpm
Wave Length	685 nm visible
Laser Class	Class 3R
Operating Hours	65H (Alkaline) / 50H (Ni-MH)
Environment	IPX6
Dimensions (w x h x d)	217 mm x 253 mm x 168 mm
	<b>LRC6 (Remote Control)</b>
Range	two-way 300 m
Environmental	IPX6
Power	3 AA alkaline
Dimensions (w x h x d)	60 mm x 155 mm x 35 mm
	<b>LR200 (Receiver)</b>
Receiving Range	770 m
Environmental	IPX6
Power	2 AA alkalines
Operating Hours	120
Dimensions (w x h x d)	76 mm x 145 mm x 23 mm

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