

SOKKIA

Precision &
Reliability



Advanced entry level

self-leveling construction lasers

LP400 Series

Leveling Lasers

Reliable and rugged self-leveling lasers at economic prices

LP415

Leveling Laser

A compact and rugged self leveling-laser offering superior reliability at an affordable price

- Ø 300 m working range
- Highly-reliable, high-speed self-leveling
- Visible red laser
- Compact, lightweight and rugged
- TILT alert for reliability
- LR200 advanced detector



LP415S

Leveling Laser

A compact, rugged and reliable self-leveling laser offering versatility for slope work at an affordable price

- Ø 300 m working range
- Single-grade laser with $\pm 8,7\%$ grade range
- Highly reliable, high-speed self-leveling
- Visible red laser
- LR200 advanced detector



LP410

Leveling Laser

A 500-meter self-leveling laser that boosts productivity in large-scale construction

- Ø 500 m working range
- Highly reliable, high-speed self-leveling
- Visible red laser
- Compact, lightweight and rugged
- TILT alert for extra reliability
- LR200 advanced detector



LR200 Advanced Detector

High Accuracy

- Detection sensitivity can be selected from $\pm 0.5\text{mm}$ and $\pm 2\text{mm}$.



Easy-to-handle Detector Provides Outstanding Functionality and Versatility.

Triple Guides

LCD, LED and Buzzer

- The LR200 is equipped with LCD screens on both sides.
- 9 levels of grade display and out-of-range information.
- 3-color LEDs make it easy to locate the laser beam even at a distance.

		∇ $\pm 0.5\text{mm}$ ∇ $\pm 2\text{mm}$ Green LED Lights
		$\pm 5\text{mm}$ 2 LEDs flash alternately
		$\pm 10\text{mm}$ LED flashes rapidly
		$\pm 15\text{mm}$ LED flashes
		More than $\pm 15\text{mm}$ LED flashes slowly
		Out of the range LED flashes rapidly

Double Level Vials

- Level vials are built into both the LR200 detector and the LPC5 rod clamp to enhance leveling accuracy.

Rugged and Compact Body

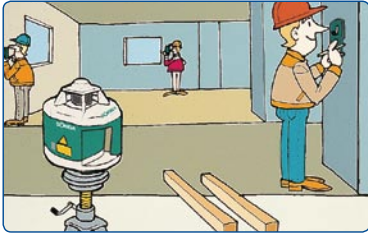
- Conforming to the IP66 specification, the LR200 shuts out powder-type dust and offers protection against sudden rain showers.
- The lightweight 190g (6.7 oz.) body fits nicely in your palm.



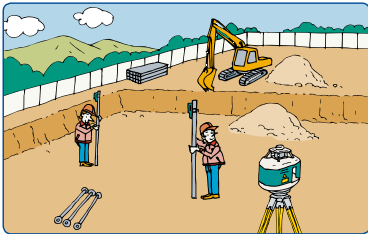
LR200 Detector with LPC5 rod clamp

Now you have the power to work the way you always wanted to work!

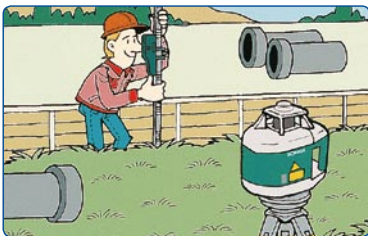
Ideal for a Variety of Applications Including General Construction,
Foundation Work, Land Preparation as well as Short-range Interior Work.



Interior



Foundation



Trenching



Large-scale Construction

Specifications

	LP415	LP415S	LP410
Beam type	red (visible diode)		red (visible diode)
Beam power	0.8 mW (max.)		0.9 mW (max.)
Operating range (radius)	150 m		250 m
Accuracy	±15 arc seconds		±10 arc seconds
Self-leveling range	±3°		±3°
Slope range	N/A	±5%	NA
Rotation speed	600 rpm		600 rpm
Power	4 "C" size alkaline batteries		4 "C" size alkaline batteries
Battery life	approx. 60 hrs		approx. 60 hrs
Dimensions	192,5 x 167 x 189 mm		192,5 x 167 x 189 mm
Weight w/batteries	Approx. 2 kg		Approx. 2 kg
	LR200 (detector)		
LCD display	9 channels, located on both sides		
Detection sensitivity	High precision: ±0,5 mm Normal precision: ±2 mm		
Audible on-grade alarm	Yes		
Power	2 x AA		
Battery life	Approx. 60 hrs		
Auto shut-off	After 30 minutes w/o beam detection		

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SOKKIA CO. LTD., founded in 1920 in Japan, is a leading manufacturer in developing complete measurement solutions for surveying, construction and industrial measurement applications. Sokkia's portfolio includes GNSS systems (Global Navigation Satellite Systems), reflectorless and robotic total stations, digital theodolites, automatic/digital levels, rotation/line lasers and software.



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