

RL-100 2S/RL-100 1S

High Accuracy, High Value Slope Lasers



The new standard in construction slope lasers – accurate, intelligent, fast



- 5 ARC SECOND REPEATABILITY
- WIDE GRADE RANGE (UP TO 25% SLOPE) WITHOUT SLOPE BLOCKS
- EXTRA-LONG BATTERY LIFE (85 HRS)
- INCREASED RANGE - UP TO 2,600 FT. (800M)
- GRAPHICAL DISPLAY
- FULL FUNCTION REMOTE (RL-100 2S ONLY)

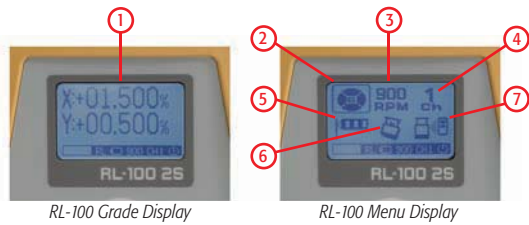
Topcon's RL-100 Series sets new standards for simplicity and accuracy. Rugged, lightweight, and compact, it's twice the laser at an amazingly affordable price!

Topcon's RL-100 Series revolutionary encoding system provides the highest grade repeatability, 5 arc seconds, of any other laser! No one even comes close. Setup-after-setup, time-after-time, you're always right on grade!

Choose from two models, RL-100 1S single slope, or RL-100 2S dual slope. The RL-100 1S provides single slopes from -5% to up to +25%. The RL-100 2S provides dual slopes up to +/-10% in the X axis, or up to an industry leading -5 to +25% in the Y axis.

Verifiable operation? It couldn't be clearer...

Topcon's RL-100 features a large, high-contrast, graphical display that clearly shows all functions at a glance:



1. Current grade
2. Masking – electronically shutter up to three quadrants to avoid interference with other lasers on the site.
3. Selectable rotation speed: 300, 600, or 900 rpm
4. Selectable remote channel: select any of nine channels when using more than one RL-100 2S in proximity to each other.
5. Sensitivity selector - set the leveling sensitivity to accommodate conditions, low when working around heavy equipment or in windy conditions, high in calm conditions.
6. HI Alert: indicates when the laser has been disturbed preventing inaccuracies
7. HI alert to sensor - turn HI signal to sensor ON or OFF.

LS-80A and Sensor Holder 6

Topcon's new compact LS-80A sensor offers both a front and rear high contrast display along with nine channels of grade information, built in HI alert and battery life indication.



It features standard 2,600 ft. (800m) reception range, adjustable audible indication, 120 hours of operation from two AA batteries, and included Holder 6 grade rod clamp for quick, secure clamping to any size or shape grade rod.

Topcon's RL-100 Series is all the slope laser you'll ever need, at a price that fits your budget. Call your Topcon Dealer today for a demonstration.



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SPECIFICATIONS

	RL-100 1S	RL-100 2S
Repeatability	5 arc sec.	
Horizontal Accuracy	±10 arc sec.	
Grade Range (single/dual)	-5 to +25 / M/A	±10 / -5 to +25
Working Range w/detector	2,600ft (800m)	
Rotation Speed	300/600/900 rpm	
Wave Length	685nm visible	
Laser Class	Class 3	
Operating Hours	85H (Alkaline) 80H (Ni-MH)	
Environment	IP66	
Dims (L x W x H)	6.9 x 8.6 x 10.0 in (174 x 218 x 253 mm)	
Warranty	2 year	
Remote Control Capability	No	Yes (RC-400)

Remote Control	RC-400
Range	Two-way 1,000ft (300m)
Environment	IPX6
Power	3 AAA alkaline
Dims (L x W x H)	6.8 x 2.5 x 1.4 in (157 x 64 x 37 mm)

Detector	LS-80B	LS-80A
Detective Range	2.0 in (50mm)	
Display	Front	Front and Rear
Grade Channels	9 Channel Grade	
Environment	IP66	
Power	2 AA alkaline	
Operating Hours	120H	
Dims (L x W x H)	5.7 x 3.0 x 1.0 in (146 x 76 x 26 mm)	



Complete RL-100 2S control - remotely!

When the RL-100 2S is operating, the RC-400 displays all operating information up to 1,000 ft. (300m) away. The RC-400 features a large, backlit, high-contrast graphical display.

Change grade, select menu settings, check operational status, even verify battery life, all without touching the laser! Using the RL-100 2S for machine grade reference? Control and check laser status without leaving the cab.

Topcon's RL-100 Series is packaged so you can get right to work

As with all Topcon lasers, the RL-100 Series gives you everything you need to get to work. Packages include:

Model	RL-100 1S		RL-100 2S	
	Low PKG	High PKG	Low PKG	High PKG
Laser	RL-100 2S		X	X
	RL-100 1S	X	X	
Detector	LS-80A w/ Holder 6		X	X
	LS-80B w/ Holder 6	X	X	
Battery	Rechargeable BT Kit		X	X
	Dry BT Kit	X	X	
Remote Control	RC-400			X

Rechargeable BT Kit: BT-67Q, DB-67C, AD-11
 Dry BT Kit: DB-67, Dry Battery D size

Your local Authorized Topcon dealer is: