

# 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 (65 HRS)
- INCREASED RANGE - UP TO 2,500 FT. (770M)
- GRAPHICAL DISPLAY
- FULL FUNCTION REMOTE (RL-100 2S ONLY)

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

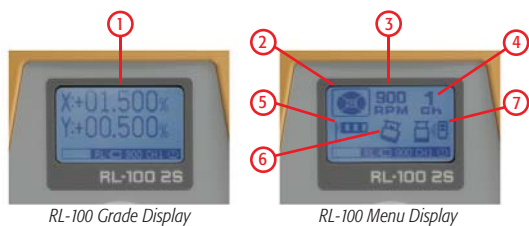
Topcon's RL-100 Series revolutionary encoding system provides the highest grade repeatability, 5 arc seconds, of any other laser! No one even comes close. Setup-after-setup, time-after-time, you're always right on grade!

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% and comes complete with Topcon's new LS-80B laser receiver, sensor holder, and batteries. Everything you need to get right to work.

The RL-100 2S provides dual slopes up of +/-10% in the X axis, or up to an industry leading -5 to +25% in the Y axis. The RL-100 2S standard package includes the LS-80B laser sensor, sensor holder, batteries, plus the all-new RC-400 remote that allows complete control of the RL-100 2S up to 1000' (300m) away!

**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 four 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-80B and sensor holder 6**

Topcon's new compact LS-80B sensor provides five channels of grade information, plus HI and battery life indication, all on a high-contrast display. It features standard 2,500 ft. (770m) 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.



ISO 9001:2000  
PM 60448

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Specifications subject to change without notice

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**SPECIFICATIONS**

	RL-100 1S	RL-100 2S
Repeatability	5 arc sec.	5 arc sec.
Horizontal Accuracy	±10 arc sec.	±10 arc sec.
Grade Range (single/dual)	-5 to +25 / N/A	±10 / -5 to +25
Working Range	2,500 ft. (770m)	2,500 ft. (770m)
Rotation Speed	300/600/900rpm	300/600/900rpm
Wave Length	685nm visible	685nm visible
Laser Class	Class 3	Class 3
Operating Hours	65H (Alkaline) 50H (Ni-MH)	65H (Alkaline) 50H (Ni-MH)
Environment	IPX6	IPX6
Dims (w x h x d)	8.55" x 9.96" x 6.6" (217mm x 253mm x 168mm)	8.55" x 9.96" x 6.6" (217mm x 253mm x 168mm)
Remote Control	No	Yes
Range		two-way 1000 ft. (300m)
Environmental		IPX6
Power		3 AA alkaline
Dims (w x h x d)		2.36" X 6.1" X 1.4" (60mm X 155mm X 35mm)
LS-80B	Yes	Yes
Receiving Range		2,500 ft. (770m)
Environmental		IPX6
Power		2 AA alkalines
Operating Hours		120
Dims (w x h x d)		3" X 5.7" X .9" 76mm X 145mm X 23mm

**Complete RL-100 2S control - remotely!**



The RL-100 2S comes standard with a full function RC-400 radio remote. When the RL-100 2S is operating, the RC-400 displays all operating information up to 1000 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:

- RL-100 2S**  
 RL-100 2S transmitter  
 BT-67Q rechargeable battery pack  
 AD-11 battery charger  
 LS-80B laser sensor  
 Sensor Holder 6  
 RC-400 radio remote  
 Operation Manual  
 Hard Shell Carry Case

- RL-100 1S**  
 RL-100 2S transmitter  
 LS-80B laser sensor  
 Sensor Holder 6  
 Operation Manual  
 Hard Shell Carry Case

Your local Authorized Topcon dealer is: