

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

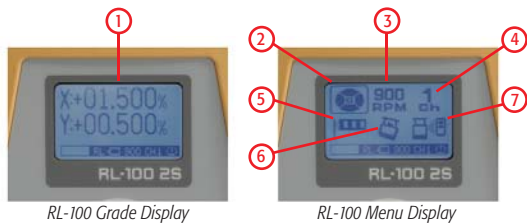
Topcon's RL-100 Series revolutionary encoding system provides the highest grade repeatability, 5 arc seconds, of any other laser! No one even comes close. Setup-after-setup, time-after-time, you're always right on grade!

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 LS-80A 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-80A 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 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 2,500 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.



Topcon Positioning Systems, Inc.
7400 National Drive • Livermore, CA 94550
www.topconpositioning.com

Specifications subject to change without notice

©2008 Topcon Corporation All rights reserved. P/N: 7010-0883 Rev. D Printed in U.S.A. 10/08

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)
Warranty	2 year	2 year
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-80A	Yes	Yes
Receiving Range		2,500 ft. (770m)
Display		Front and Rear
Grade Information Channels		9 Channel Grade Indication
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 1S
RL-100 2S Transmitter	RL-100 1S Transmitter
BT-67Q Rechargeable Battery Pack	LS-80A Laser Sensor
AD-11 Battery Charger	Sensor with Holder-6
LS-80A Laser Sensor	Operation Manual
Sensor with Holder-6	4 'C' Alkaline Batteries
RC-400 Radio Remote	1 '9V' Battery
Operation Manual	Hard Shell Carrying Case
5 'AA' Alkaline Batteries	
Hard Shell Carrying Case	

Your local Authorized Topcon dealer is: