

**RL-100**



## High accuracy, high value Slope laser

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!

### RL-100 features include:

- \* 5 arc second repeatability
- \* Wide grade range (up to +/-25% dual 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) Fully automatic self-leveling

Choose from two models, RL-100S1 single slope, or RL-100S2 dual slope. The RL-100S1 provides single slopes from -5% to up to +25% in X or Y axis 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-100S2 provides dual slopes up of +/-10% in single slope or up to an industry leading +/-25% dual slope. The RL-100S2 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-100S2 up to 300' away!

### The RL-100 Package Includes:

- RL-100 Laser
- 4 'C' Alkaline Batteries
- Hard Shell Carrying Case
- LS-70C Sensor & Holder 6
- 1 '9V' Battery



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### Specifications



#### RL-100 1S – RL-100 2S

<b>Horizontal/vertical</b>	± 15" arc seconds, 3/32" inches @ 100'
<b>Repeatability</b>	6" arc seconds
<b>Temperature drift</b>	1"/C arc seconds per degree C
<b>Repeatability</b>	5 arc sec.
<b>Horizontal Accuracy</b>	±10 arc sec.
<b>Grade Range (single/dual)</b>	RL-100 1S: -5 to +25/ N/A, RL-100 2S: ±10 / ±25
<b>Working Range</b>	2,500 ft. (770m)
<b>Rotation Speed</b>	300/600/900rpm
<b>Wave Length</b>	685nm visible
<b>Laser Class</b>	Class 3
<b>Operating Hours</b>	65H (Alkaline), 50H( Ni-MH)
<b>Environment</b>	IPX6
<b>Dims (w x h x d)</b>	8.55" x 9.96" x 6.6"
<b>(w x h x d)</b>	(217mm x 253mm x 168mm)
<b>Remote Control</b>	RL-100 1S: No RL-100 2S: 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)
<b>LS-80B</b>	Yes
	Receiving Range: 2,500 ft. (770m)
	Environmental: IPX6
	Power: 1 9V alkaline
	Dims(w x h x d): 3" X 5.7" X .9" (76mm X 145mm X 23mm)