

# Pick the Topcon Sloping Laser Best For Your Job and Budget!



## RL-100 1S & RL-100 2S HIGH ACCURACY, HIGH VALUE SLOPE LASERS

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!

SPECIFICATIONS	RL-100 1S/RL-100 2S
<b>Repeatability</b>	5 arc sec.
<b>Horizontal Accuracy</b>	±10 arc sec.
<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" (217mm x 253mm x 168mm)



## RT-5SW WIRELESS "SMART" SLOPE LASER

The RT-5SW is the most repeatable laser in the world, with a level vial 10 times more repeatable than the competition! You're also using world first technologies like thermal software that's derived from the characteristics of each RT-5SW after testing over extreme temperature ranges, and an auto-alignment system so unique, it's patented.

**Advanced technology, simple operation...**  
With the RT-5SW, simplicity starts with the RC-300 two-way communicating remote. All features of the RT-5SW are accessible. Battery life, rotation speed, and auto-alignment are a few of the time saving features displayed on the large LCD.

Slopes up to 25% can also be entered on the RT-5SW without tilting the unit.

SPECIFICATIONS	RT-5SW
<b>Accuracy</b>	±5" (1/32"@100') (1mm@40m)
<b>Range</b>	4000' Dia. (1200m Dia.)
<b>Laser Source</b>	Visible Diode (680nm)
<b>Laser Power</b>	High 4.5mW/ Low 2.5mW
<b>RPM (Selectable)</b>	300, 600, 900
<b>Grade Range</b>	X:±10% Y:±25%, without tilting unit
<b>Battery Life (Alkaline)</b>	45 hrs. (4 D-cells)
<b>Standard Warranty</b>	2 years
<b>Housing Construction</b>	Cast Aluminum
<b>Environmental</b>	Water/Dustproof (IPX6)



## RL-H3CS SELF-LEVELING CONSTRUCTION LASER

Looking for a proven, rugged, reliable General Construction laser? A laser you can count on to increase quality and efficiency, a laser that provides maximum impact at a minimum price? You've found it. We have an RL-H3 Series General Construction laser to meet all of your jobsite needs, from layout to grade control.

The RL-H3CS levels and spins up just as fast, then gives you the option of matching a slope.

- Features:**
- One button leveling
  - High-speed self-leveling
  - Slope matching capabilities to +/-5%
  - 500' (150m) radius operating range
  - 600 rpm rotation speed (perfect for grade checking and Machine Control applications)
  - 60 hours operation from 4 "C" alkaline batteries

SPECIFICATIONS	RL-H3CS
<b>Beam Type</b>	Red (Visible Diode)
<b>Beam Power</b>	0.8mW (Max.)
<b>Operating Range (radius)</b>	150m
<b>Accuracy</b>	±15 arc seconds
<b>Self-Leveling Range</b>	±5°
<b>Slope Range</b>	+/-5%
<b>Rotation Speed</b>	600 rpm
<b>Power</b>	4 "C" size Alkaline Batteries
<b>Battery Life</b>	Approx. 60 hours
<b>Dimensions</b>	6.5"L x 7.1"W x 7.4"H (167mm x 182mm x 189mm)
<b>Weight</b>	4.1lbs (1.9kg) w/batteries

# LS-B100 SERIES

## Laser Receivers & Wireless Remote Display



Indicate and automatic solutions

- LARGE WORKING RANGE
- 360° DETECTION
- RUGGED, WATERPROOF DESIGN
- WIRELESS & CAN COMPATIBLE
- ON-GRADE MATCHING
- PLUMB/TILT INDICATION
- UNIVERSAL POLE CLAMP



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## LS-B100

Looking for a great value on a Laser Sensor for your earth moving machines?

Check out the LS-B100. Fast to set up and easy to use, this affordable depth control sensor can be mounted to your equipment and working within minutes. This unit is packed full of features such as an Accuracy Mode and Battery Life Indicator. Plus, it has a Power Save/Auto Cut Off function to save your battery life.

The LS-B100 is a low-cost grade indicate solution that makes any operator more productive.



SPECIFICATIONS	LS-B100 Receiver
<b>Detective Range</b>	175mm (6.6in)
<b>Detective Angle</b>	360°
<b>Detective Precision</b>	Mode1: ±3mm (0.009ft) Mode2: ±6mm (0.019ft) Mode3: ±15mm (0.049ft) Mode4: ±30mm (0.098ft)
<b>Detectable Laser Wave Length</b>	633 to 785nm
<b>Laser Detecting Range</b> (diameter)	800m (2625ft) (using RL-100 1S/2S)
<b>Internal Battery</b>	C-size dry cells 4pcs. Battery pack BT-68Q (sold separately)
<b>External Power Supply</b>	DC 10V to 30V
<b>Continuous Operating Time</b> (+20°C/+68°F)	Approximately 100 hours (Using alkaline manganese dry cells) Approximately 50 hours (Using Battery pack BT-68Q)
<b>Operating Temperature</b>	-20°C to + 50°C (-4°F to +122°F)
<b>Water Proof</b>	IP66 (Based on the standard IEC60529)
<b>Dimensions (W/D/H)</b>	158x166x357 (mm) (6.2"x6.5"x14.0") (With Mechanical Clamp)
<b>Weight (Without cells)</b>	2.0kg (4.4lbs)



## LS-B110

With the added Slope and Plumb Indicators, your grading and excavating accuracies are tighter than ever with Topcon's LS-B110.

Plus, the new LS-B 110 enables you to offset the "on-grade" position with one touch. This gives you an even greater working range.

Compatible with Topcon's family of Control Boxes for all your earth moving equipment the LS-B110 can also be used in "automatic" mode to hydraulically control the elevation and/or the slope of the cutting edge. This takes your production and materials savings up to a whole new level.



SPECIFICATIONS	LS-B110 Receiver
<b>Detective Range</b>	250mm (6.8in)
<b>Detective Angle</b>	360°
<b>Detective Precision</b>	Mode1: ±3mm (0.009ft) Mode2: ±6mm (0.019ft) Mode3: ±15mm (0.049ft) Mode4: ±30mm (0.098ft)
<b>Detectable Laser Wave Length</b>	633 to 785nm
<b>Laser Detecting Range</b> (diameter)	800m (2625ft) (using RL-100 1S/2S)
<b>Internal Battery</b>	C-size dry cells 4pcs. Battery pack BT-68Q (sold separately)
<b>External Power Supply</b>	DC 10V to 30V
<b>Continuous Operating Time</b> (+20°C/+68°F)	Approximately 80 hours (Using alkaline manganese dry cells) Approximately 40 hours (Using Battery pack BT-68Q)
<b>Operating Temperature</b>	-20°C to + 50°C (-4°F to +122°F)
<b>Water Proof</b>	IP66 (Based on the standard IEC60529)
<b>Dimensions (W/D/H)</b>	158x166x357 (mm) (6.2"x6.5"x14.0") (With Mechanical Clamp)
<b>Weight (Without cells)</b>	2.0kg (4.4lbs)



## LS-B110W

The LS-B110W is a Laser Sensor with a Wireless Remote Display. It is loaded with all the time saving features as the other LS-B units and also perfect for your larger machines where the Sensor is out of view. This equipment offers the total solution in grade management. With the one touch "On Grade" matching, MC automatic capability and built-in Plumb and Slope Indicator, you can't go wrong.

Put the LS-B110 W on your Dozer, then move it to your Scraper and then onto your Excavator. This equipment does it all on virtually all your machines.



SPECIFICATIONS	LS-B110W Receiver
<b>Detective Range</b>	250mm (6.8in)
<b>Detective Angle</b>	360°
<b>Detective Precision</b>	Mode1: ±3mm (0.009ft) Mode2: ±6mm (0.019ft) Mode3: ±15mm (0.049ft) Mode4: ±30mm (0.098ft)
<b>Detectable Laser Wave Length</b>	633 to 785nm
<b>Laser Detecting Range</b> (diameter)	800m (2625ft) (using RL-100 1S/2S)
<b>Wireless Communication</b>	20m
<b>Range</b>	(may vary depending on obstacles between the two instruments as well as other communications)
<b>Internal Battery</b>	C-size dry cells 4pcs. Battery pack BT-68Q (sold separately)
<b>External Power Supply</b>	DC 10V to 30V
<b>Continuous Operating Time</b> (+20°C/+68°F)	Approximately 40 hours (Using alkaline manganese dry cells) Approximately 18 hours (Using Battery pack BT-68Q)
<b>Operating Temperature</b>	-20°C to + 50°C (-4°F to +122°F)
<b>Water Proof</b>	IP66 (Based on the standard IEC60529)
<b>Dimensions (W/D/H)</b>	158x166x357 (mm) (6.2"x6.5"x14.0") (With Mechanical Clamp)
<b>Weight (Without cells)</b>	2.0kg (4.4lbs)



## RD-100W

The Remote Display puts the Laser Sensors information in the cab of the machine. Productivity increases on the job because the operator focuses on the grade information and not the Sensor itself.

The operator can adjust the "On Grade" position without leaving the seat. No need to climb down to adjust the laser height or move the Sensor on the machine.

Whether you are going deep with your excavator or grading with a drag scraper the RD-100W is wirelessly connected to the LS-B110W giving the operator constant, real time grade information.



SPECIFICATIONS	RD-100W Receiver
<b>Wireless Communication</b>	20m
<b>Range</b>	(may vary depending on obstacles between the two instruments as well as other communications)
<b>Power Source</b>	AA-size dry cells 3pcs.
<b>Continuous Operating Time</b> (+20°C/+68°F)	Approximately 40 hours (Using alkaline manganese dry cells)
<b>Operating Temperature</b>	-20°C to + 50°C (-4°F to +122°F)
<b>Water Proof</b>	IP66 (Based on the standard IEC60529)
<b>Dimensions (W/D/H)</b>	110x36x176 (mm) (4.3"x1.4"x6.9")
<b>Weight (Without cells)</b>	0.5kg (1.2lbs)

