Topcon's RL-100 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 SERIES**

Laser Receivers & Wireless Remote Display

**RT-SSW**

**WIRELESS “SMART” SLOPE LASER**

The RT-SSW 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-SSW after testing over extreme temperature ranges, and an auto-alignment system so unique, it’s patented.

Advanced technology, simple operation...

With the RT-SSW, simplicity starts with the RC-300 two-way communicating remote. All features of the RT-SSW 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-SSW without tilting the unit.

**SPECIFICATIONS RT-SSW**

- **Accuracy:** ±5” (1/32”@100’)
  (1mm@40m)
- **Range:** 4000’ Dia. (1200m Dia.)
- **Laser Source:** Visible Diode (680nm)
- **Laser Power:** High 4.5mW/Low 2.5mW
- **RPM (Selectable):** 300, 600, 900
- **Grade Range:** X:±10% Y:±25% without tiltng unit
- **Battery Life (Alkaline):** 60 hrs. (4 D-cells)
- **Standard Warranty:** 1 year
- **Housing Construction:** Cast Aluminum
- **Environmental:** Water/Dustproof (IP6X)
- **Dimensions:** 167mm x 182mm x 189mm
- **Weight:** 2.5 lbs (1.2kg) w/Batteries

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**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-HS Series General Construction laser to meet all of your job site 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) range 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**

- **Beam Type:** Red (Visible Diode)
- **Beam Power:** 0.8mW (Max.)
- **Operating Range (radius):** 150m
- **Accuracy:** ±15 arc seconds
- **Self-Leveling Range:** ±5°
- **Slope Range:** ±5%
- **Rotation Speed:** 600 rpm
- **Power:** 4 “C” size Alkaline Batteries
- **Battery Life:** Approx. 60 hours
- **Dimensions:** 6.5” x 7.1” x 7.4” (167mm x 182mm x 189mm)
- **Weight:** 4.1 lbs (1.9kg) w/Batteries

Specifications subject to change without notice

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Your local Authorized Topcon dealer is:

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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, ±0.001”, of any other laser! No one even comes close. Set-up after set-up, 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 ±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**

- **Repeatability:** ±0.001”
- **Horizontal Accuracy:** ±10 arc sec.
- **Working Range:** 2,500 ft. (770m)
- **Rotation Speed:** 300/600/900rpm
- **Wave Length:** 685nm visible
- **Laser Class:** Class 3
- **Operating Hours:** 65H (Alkaline) 50H (Ni-MH)
- **Environment:** IPX6
- **Dims (w x h x d):** 8.55” x 9.96” x 6.6” (217mm x 253mm x 168mm)

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**RT-5SW**

**WIRELESS “SMART” SLOPE LASER**

Topcon’s all new RT-5SW Series revolutionarily provides the highest grade repeatability, ±0.001”, of any other laser! No one even comes close. Set-up after set-up, time after time, you’re always right on grade!

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**

- **Accuracy:** ±5” (1/32”@100’)
  (1mm@40m)
- **Range:** 4000’ Dia. (1200m Dia.)
- **Laser Source:** Visible Diode (680nm)
- **Laser Power:** High 4.5mW/Low 2.5mW
- **RPM (Selectable):** 300, 600, 900
- **Grade Range:** without tiltng unit
  X:±10% Y:±25%
- **Battery Life (Alkaline):** 60 hrs. (4 D-cells)
- **Standard Warranty:** 1 year
- **Housing Construction:** Cast Aluminum
- **Environmental:** Water/Dustproof (IP6X)
- **Dimensions:** 8.35” x 9.96” x 6.7”
  (217mm x 253mm x 168mm)
- **Weight:** 1.5 lbs (0.7kg) w/Batteries

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**RT-15 & RT-25**

**HIGH ACCURACY, HIGH VALUE SLOPE LASERS**

Topcon’s all new RT-15 & RT-25 Series sets new standards for simplicity and accuracy. Rugged, lightweight, and compact, it’s twice the laser at an amazingly affordable price! Topcon’s RT-15 & RT-25 Series revolutionarily provides the highest grade repeatability, ±0.001”, of any other laser! No one even comes close. Set-up after set-up, time after time, you’re always right on grade!

Choose from two models, RT-15 single slope, or RT-25 dual slope. The RT-15 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 RT-25 provides dual slopes up of +/-10% in the X axis, or up to an industry leading ±25% in the Y axis. The RT-25 standard package includes the LS-80B laser sensor, sensor holder, batteries, plus the all-new RC-400 remote that allows complete control of the RT-25 up to 1000’ (300m) away!

**SPECIFICATIONS RT-15/RT-25**

- **Repeatability:** ±0.001”
- **Horizontal Accuracy:** ±10 arc sec.
- **Working Range:** 2,500 ft. (770m)
- **Rotation Speed:** 300/600/900rpm
- **Wave Length:** 685nm visible
- **Laser Class:** Class 3
- **Operating Hours:** 65H (Alkaline) 50H (Ni-MH)
- **Environment:** IPX6
- **Dims (w x h x d):** 8.55” x 9.96” x 6.6”
  (217mm x 253mm x 168mm)
### LS-B100 Receiver
- **Dimensions (W/D/H):** 158x166x357 (mm) (6.2”x6.5”x14.0”)
- **Weight (Without cells):** 2.0kg (4.4lbs)
- **Water Proof:** IP66 (Based on the standard IEC60529)
- **Weight (Without cells):** 0.5kg (1.2lbs)
- **Operating Temperature:** -20ºC to + 50ºC (-4ºF to +122ºF)
- **Power Source:** DC 10V to 30V
- **Continuous Operating Time:** Approximately 100 hours (Using alkaline manganese dry cells)
- **Internal Battery:** C-size dry cell-6pcs.
- **Operating Temperature:** -20ºC to + 50ºC (-4ºF to +122ºF)
- **Water Proo:** IP66 (Based on the standard IEC60529)
- **Dimensions (W/D/H):** 110x36x176 (mm) (4.3”x1.4”x6.9”)
- **Continuous Operating Time:** Approximately 40 hours (Using alkaline manganese dry cells)
- **Continuous Operating Time:** Approximately 40 hours (Using alkaline manganese dry cells)
- **Operating Temperature:** -20ºC to + 50ºC (-4ºF to +122ºF)
- **Water Proo:** IP66 (Based on the standard IEC60529)
- **Dimensions (W/D/H):** 110x36x176 (mm) (4.3”x1.4”x6.9”)
- **Weight (Without cells):** 0.5kg (1.2lbs)