

**SPECIFICATIONS\***

| Instrument                     | RL-100 1S                            | RL-100 2S              |
|--------------------------------|--------------------------------------|------------------------|
| Repeatability                  | 5 arc sec.                           |                        |
| Horizontal Accuracy            | ±10 arc sec.                         |                        |
| Grade Range                    | -5 to +25 (single)                   | ±10 / -5 to +25 (dual) |
| Working Range                  | 770 m                                |                        |
| Rotation Speed                 | 300/600/900 rpm                      |                        |
| Wave Length                    | 685 nm visible                       |                        |
| Laser Class                    | Class 3R                             |                        |
| Operating Hours                | 65H (Alkaline) / 50H( Ni-MH)         |                        |
| Environment                    | IPX6                                 |                        |
| Dimensions                     | 217 mm x 253 mm x 168 mm (w x h x d) |                        |
| <b>RC-400</b> (Remote Control) | <b>No</b>                            | <b>Yes</b>             |
| Range                          |                                      | two-way 300 m          |
| Environmental                  |                                      | IPX6                   |
| Power                          |                                      | 3 AA alkaline          |
| Dimensions (w x h x d)         |                                      | 60 mm X 155 mm X 35 mm |
| <b>LS-80B</b> (Receiver)       | <b>Yes</b>                           |                        |
| Receiving Range                | 770 m                                |                        |
| Environmental                  | IPX6                                 |                        |
| Power                          | 2 AA alkalines                       |                        |
| Operating Hours                | 120                                  |                        |
| Dimensions                     | 76 mm X 145 mm X 23 mm (w x h x d)   |                        |

\* all technical changes are reserved by TOPCON, 01/2008

**The leader in positioning technology**

Topcon is the worldwide leading designer and manufacturer of precision positioning equipment. We offer the widest selection of innovative precision GPS, laser, optical, surveying, machine control, GIS and agricultural positioning solutions.



**It's time.**

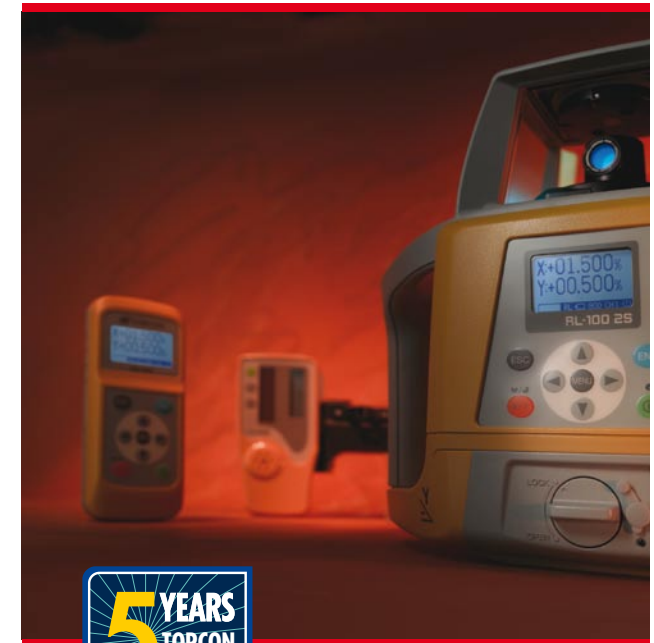
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T128EN

**High accuracy, high value slope lasers**

**The new standard in construction slope lasers**

- 5 arc second repeatability
- Wide grade range (up to 25% slope)
- Extra-long battery life
- Increased range - 770 m
- Graphical clear display
- Full function remote (RL-100 2S only)

**It's time.**

**Rugged, lightweight, and compact, it's twice the laser at an amazingly affordable price!**

**Topcon's all new RL-100 Series sets new standards for simplicity and accuracy.**



**Single slope display:**

Choose from two models, RL-100 single slope or RL-100 dual slope, the RL-100 1S provides single slopes from -5% up to +25% and comes complete with Topcon's new LS-80B laser receiver, sensor, sensorholder and battery pack + charger. Ready for work.



**Dual slope display:**

The RL-100 2S provides dual slopes up of +/- 10% in the X-axis or up to and industry leading -5 to + 25% in the Y axis. The new RC-400 remote that allows complete control of the RL-100 2S up to 300 meter.



**RL-100 menu display**

The illuminated menu display shows:

1. Masking electronic shutters up to to three quadrants to avoid interference with other lasers on the jobsite.
2. Selectable rotationspeed: 300, 600, or 900 rpm
3. Selectable remote control channels
4. Sensitivity selector, for strong winds or calm conditions.
5. Hi-alert : Indicates when the laser has been disturbed preventing inaccuracies
6. Hi-alert to sensor-turn HI signal to sensor ON or OFF.



- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1 Easy setting of directions by internal scope</li> <li>2 Solid heavy body</li> <li>3 X-Y axe operating button</li> <li>4 Protected enclosed head</li> </ol> | <ol style="list-style-type: none"> <li>5 Graphical clear display</li> <li>6 Entering the different functions</li> <li>7 Controle panel</li> <li>8 Battery door</li> </ol> |
|---|---|

**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 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!



**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 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 the only slope laser you'll ever need, at a price that fits your budget. Call your Topcon Dealer today for a demonstration.



**RL-100 package includes**

- RL-100 2S/1S transmitter
- BT-67Q rechargeable battery pack
- AD-11 battery charger
- LS-80B laser sensor
- Sensor Holder 6
- RC-400 radio remote (only RL-100 2S)
- Operation Manual
- Hard Shell Carry Case