

SPECIFICATIONS*

	RL-H1Sa	RL-H2Sa
Auto-leveling range	±5°	±5°
Operating range	350 m radius	500 m radius
Beam detecting range	2 m - 700 m diameter	2 m - 1000 m diameter
Laser source	780 nm infrared laser diode	685 nm visible laser diode
Laser class	class I laser product	class I laser product
Rotation speed	selectable: 300, 600 rpm	selectable: 300, 600, 900 rpm
Grade setting range	-5% to +10%	-8% to +8% (Single Axis) x + y ≤ 10% (Dual Axis)
Power Supply		
<i>alkaline batteries</i>	4 'D' size alkaline batteries	4 'D' size alkaline batteries
<i>rechargeable battery</i>	BT-51Q (optional)	BT-51Q (standard)
Operating time		
<i>alkaline batteries</i>	approx. 45 hours	approx. 45 hours
<i>rechargeable battery</i>	approx. 30 hours	approx. 45 hours
Operating temperature	-20°C to +50°C	-20°C to +50°C
Dimensions (l x b x h)	169 x 169 x 250 mm	169 x 169 x 250 mm
Weight	2,7 kg <i>including batteries</i>	2,7 kg <i>including batteries</i>

* all technical changes are reserved by TOPCON, 12/2006

The Leader in Positioning Technology ...

Topcon is the worldwide leading developer and manufacturer of precision positioning equipment and offers the widest selection of innovative precision GPS systems, laser, optical surveying, machine control, GIS and agriculture products.



It's time.

Topcon Europe Positioning B.V.

Essebaan 11 · 2908 LJ Capelle a/d IJssel · The Netherlands
Phone: + 31 (0) 10 - 4585077 · Fax: + 31 (0) 10 - 2844941
e-mail: survey@topcon.eu · www.topcon.eu

Your local authorized Topcon distributor is:

HIGH ACCURACY SLOPE LASERS



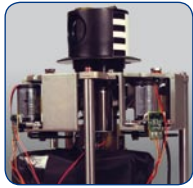
Put these world class slope laser technologies to work on your next job

- accurate grade repeatability
- electronic beam masking
- 10 arc second accuracy across entire grade range
- Adjustable rotation speed

It's time.



Developing innovative, cost-effective solutions, it's Topcon's passion.



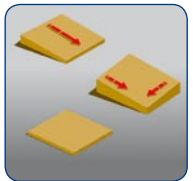
10 arc second repeatability

The accuracy and reliability of the slope lasers is a direct result of Topcon's 75 year of experience. Combined with our exclusive CCD based leveling, our laser will keep you on-grade every day.



High contrast LCD display

All functions of the laser are displayed on the large, graphical LCD display. Grade to 0.001, HI alert, battery usage, masking, rotation speed and leveling indicator.



Slope capabilities

RL-H2Sa: set single slopes from -8% to +8%. Dual slopes to a full $\pm 10\%$ without tilting the laser

RL-H1Sa: set single slopes from -5% to +10%.

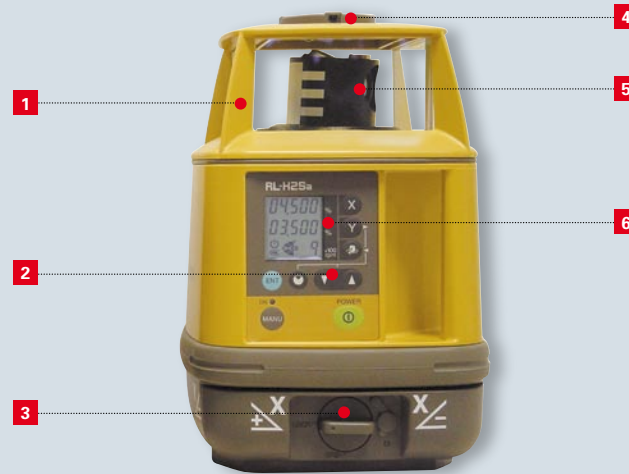


Power options

Topcon provides a wide range of power options to keep you working. The alkaline batteries provide over 40 hours of uninterrupted work! The rechargeable NiMH batteries provide 30 hours.

The RL-H1Sa/RL-H2Sa - all the slope laser, with all the features, you'll ever need.

Whether you choose the RL-H1Sa single slope or the RL-H2Sa dual slope, you can be sure these lasers have the strength and accuracy to handle all of your mid to long-range grade checking and machine control needs.



- 1** Dustproof and waterproof housing holds up to everyday bangs and bumps. And sturdy handles help prevent accidental drops
- 2** Large grade direction indicators remove guesswork and errors making slope set-ups a snap
- 3** Sealed twist-to-lock battery compartment holds 4 "D" cell batteries. Rechargeable batteries offer run-charge and optional car battery hookup
- 4** Integrated X and Y sighting scope (RL-H2Sa only)
- 5** Completely enclosed and sealed lighthouse protects rotating head and leveling mechanism from dust and dirt
- 6** Control panel provides large, high-contrast LCD that displays X and Y grade in 0.001% increments (RL-H1Sa in X only). Color-coded, icon labeled function buttons provide clear, precise operation

Fast, dependable, durable, accurate, and the world's most repeatable!

Both lasers feature the same precision electronic encoder that virtually eliminates grade errors and ensures 10 arc second accuracy over their entire grade range. It's as simple as selecting your grade, in 0.001% increments, and going to work.

Electronic shutters keep the beam only where you want it

Shielding areas of your sites, or preventing two lasers from interfering with each other has never been so easy. No more metal shutters or blocking out sections, Topcon's RL-H1Sa and RL-H2Sa provide electronic shutters at the push of a button.

- Select from 1 to 4 quadrants
- LCD displays quadrants for easy verification of masking
- Change quadrants or eliminate them at any time without disturbing the laser



LS-70B SmartReceiver™

- Two-way communication for hi alert and laser battery status.
- 11 levels of LCD display precision
- Adjustable audible on-grade horn
- Quick find beam finder system
- Durable, rubber bumper protection
- "SmartClamp" adjustable rod clamp
- Auto shut-off

