

RL-H3 Series

Self-leveling General Construction Lasers



When it's time for the most advanced "entry level" general construction laser, it's time to look to Topcon:



- WORLD'S 1ST HIGH-SPEED SELF-LEVELING GC LASERS
- WORLD'S 1ST "SMART" SENSOR LASER RECEIVER
- WORLD'S MOST AFFORDABLE SELF-LEVELING LASERS
- UNIVERSAL MACHINE CONTROL COMPATIBILITY

Increase quality and efficiency on your jobsite.

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.

Everything you need to get to work, fast...

The RL-H3A, CL and C models feature simple one-button operation. Just push the power button and go. The RL-H3CS levels and spins up just as fast, then gives you the option of matching a slope.

Every RL-H3A, RL-H3CL and RL-H3CS is packaged with Topcon's advanced LS-80A SmartSensor featuring eleven bands of on-grade precision and the quick adjust Sensor Holder 6. The RL-H3C comes with the LS-80B SmartSensor with five bands of on-grade precision and Sensor Holder 6. These receivers turn most grade checking and setting applications into a one-man job, increasing efficiency, accuracy and of course the most important thing, your bottom line.

Topcon makes an RL-H3 Series laser to fit every job and every budget. Contact your local Topcon Positioning Systems Authorized Distributor today for a free, no-obligation demonstration. You'll see why Topcon is being put to work more often everyday than any other brand. Topcon, it's time.



RL-H3 SERIES

Self-leveling General Construction Lasers



High-end self-leveling laser technology at a fraction of the cost, only Topcon has it.



RL-H3A

- One button operation
- High-speed self-leveling
- 1150' (350m) radius operating range
- 600 rpm rotation speed (perfect for grade checking and Machine Control applications)
- Uses rechargeable or alkaline batteries
- 60 hours from rechargeable batteries
- 120 hours from 4 "D" alkaline batteries



RL-H3CL

- One button operation
- High-speed self-leveling
- 820' (250m) radius operating range
- 600 rpm rotation speed (perfect for grade checking and Machine Control applications)
- 60 hours operation from 4 "C" alkaline batteries



RL-H3CS

- 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



RL-H3C

- One button operation
- High-speed self-leveling
- 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
- LS-80B Receiver

LS-80A Sensor

(RL-H3A, RL-H3CS & RL-H3CL)

- Two-way communication for HI Alert and Laser Battery Status
- 11 levels of LCD display precision
- Adjustable Audible On-Grade horn
- Extended Battery Life
- Simple Snap in battery system
- Quick find beam finder system
- "SmartClamp" adjustable rod clamp
- Auto shut-off



**Four models, five things in common: fast, versatile, dependable, durable, accurate.
All at a price you can't afford to pass up.**

Heavy-duty glass and rugged body holds up to everyday bangs and bumps. The integrated handle provides sure, safe grip.

HI Alert LED indicator lets you know if the laser has been bumped or moved.

Fast self-leveling motors get you to work fast and keep you working accurately all day.



HI alert can be turned off when using a slope block or matching a slope.

Sealed battery compartment accepts 4 "C" size alkaline batteries.

Weather/UV resistant color-coded membrane switches and bright LED indicators make for easy, verifiable operation from a distance.

Accessories



LS-80B Sensor (shown)

LS-80A Sensor

LS-90 Sensor

Sensor Holder 6 (shown)

Topcon's compact sensors with Holder 6 grade rod clamp for quick, secure clamping to any size or shape grade rod. Ask your Topcon Dealer for details.



Full range of Grade & Level Rods

Ask your Topcon Dealer for details.



Full range of Tripods to fit every job

Ask your Topcon Dealer for details.

RL-H3CS Low-cost slope matching

The RL-H3CS sets a new standard for low-cost, self-leveling combination GC and point matching slope lasers. Now you can have it all, for less!

The RL-H3CS offers all the features of our popular RL-H3C models, with the added versatility of single-slopes up to 5%. Turn it on, set your slope, and go to work!



RL-H3A Standard Package includes

- Sensor LS-80A
- Sensor Holder 6
- NiMH Battery Kit
- Warranty Card (2 Year)
- Caution Sticker
- Laser Operator Card
- Manual, RL-H3CL
- Carrying Case



The Leader in Positioning Technology...

Topcon offers positioning products that deliver unparalleled site-wide performance and integration. Topcon's history of technological advances and our reputation for superior reliability means there's no other company positioned to provide you with a better "Total Positioning Solution."

From survey to inspection, Topcon dealers throughout the world provide innovative technology that gives surveyors, civil engineers, contractors, equipment owners, and operators the competitive edge by addressing such critical issues as increasing profits, quality craftsmanship, improving productivity, lowering operating costs, and enhancing jobsite safety.

Full positioning integration field-to-finish: That's the goal of Topcon. When it's time for you to step up to the next level, it's time to turn to Topcon.

The Leader in Customer Satisfaction...

To ensure that your Topcon laser maintains peak performance, your local Topcon dealer offers factory trained and certified service technicians. If service isn't available in your area, our factory offers a repair and return policy second to none.

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RL-H3A



RL-H3C/RL-H3CL/RL-H3CS

Specifications subject to change without notice

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Specifications

	RL-H3A	RL-H3CL	RL-H3C	RL-H3CS
Beam Type	Red (Visible Diode)	Red (Visible Diode)	Red (Visible Diode)	Red (Visible Diode)
Beam Power	2.0mW (Max.)	0.9mW (Max.)	0.8mW (Max.)	0.8mW (Max.)
Operating Range (radius)	350 m	250 m	150 m	150 m
Accuracy	±8 arc seconds	±10 arc seconds	±15 arc seconds	
Self-Leveling Range	±3°	±3°	±3°	±5°
Slope Range	N/A	N/A	N/A	+/-5%
Rotation Speed	600 rpm	600 rpm	600 rpm	600 rpm
Power	4 "D" size Alkaline Batteries NiMH rechargeable batteries		4 "C" size Alkaline Batteries	
Battery Life	Approx. 120 hrs (alkaline) Approx. 60 hrs (rechargeable)		Approx. 60 hrs	
Dimensions	8.6"L x 5.6"W x 9.4"H (220mm x 144mm x 241mm)		6.5"L x 7.1"W x 7.4"H (167mm x 182mm x 189mm)	
Weight	6.1 lbs (2.8 kg) w/batteries		4.1 lbs (1.9 kg) w/batteries	

Laser Receiver

	LS-80B	LS-80A
Grade Information Channels	5 (+high/low out of range)	11 (+high/low out of range)
Detective Beam Indication	Front side only	Both sides
On-Grade Precision	High precision: ±1mm (±0.04") Normal precision: ±2mm (±0.08")	
Audible On-Grade Alarm	Yes	
Power	AA-size Dry Battery x 2	
Battery Life	Approx. 120 hrs	
Auto Shut-off	After 30 minutes w/o beam detection	

When it's time, Topcon offers the industries most complete line of construction positioning tools

High Accuracy Slope Lasers

RT-55W: steep slope, high-accuracy, long-range laser, the most repeatable laser in the world. 10 times more repeatable than the competition!

World's First technologies include thermal software and an auto-alignment system so unique, it's patented.

RL-100 1S/RL-100 2S single and dual slope lasers

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!

Unmatched Machine Receiver Compatibility

When you're ready to put your RL-H3 to work with your backhoe, mini-excavator, tractor, or just about any other machine, we have a laser receiver perfect for your job and your laser. Topcon manufactures a full range of laser receivers, from manual grade indicate to fully automatic receivers that work with your machines hydraulics to control the cutting edge. Ask your Topcon Authorized Dealer for more information.



Your local Authorized Topcon dealer is:



North American Survey Supply Co.
A division of Warren Industries, Inc.
Sales - Service - Rental

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Inst. Repair Fax: 215-464-9303
Supplies Web: www.nasurvey.com

Please call our office for more information!