

## 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

Patents Issued: 5513001, 6137567, 6137568, 5636018, 6248989



# It's time.

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-H3CL and RL-H3CS is packaged with Topcon's advanced LS-70B SmartSensor featuring eleven bands of on-grade precision and the quick adjust Sensor Holder 6. The RL-H3C comes with the LS-70C SmartSensor with seven 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-70C Receiver

### LS-70B SmartReceiver™ (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
- Durable, rubber bumper protection
- "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**



**56997 LS-70A Sensor**  
13 levels of laser detecting precision



**56102 RD-10 Remote Display for LS-70A**  
Puts LS-70A display in your hand



**56146 USL/SVR Sensor Rod Clamp for round rods**  
Special clamp for round rods



**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**

- 56994 Sensor LS-70B
- 57074 Sensor Holder 6
- 7010-0159 Warranty Card (2 Year)
- 7010-0193 Caution Sticker
- 7010-0194 Laser Operator Card
- 31336-90030 Manual, RL-H3CL
- 31331-91000 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, through our 170+ dealers throughout North and South America, provides the 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 job site 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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Specifications subject to change without notice

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## Specifications

	RL-H3A	RL-H3CL	RL-H3C	RL-H3CS
<b>Beam Type</b>	Red (Visible Diode)	Red (Visible Diode)	Red (Visible Diode)	Red (Visible Diode)
<b>Beam Power</b>	2.0mW (Max.)	0.9mW (Max.)	0.8mW (Max.)	0.8mW (Max.)
<b>Operating Range (radius)</b>	350 m	250 m	150 m	150 m
<b>Accuracy</b>	±8 arc seconds	±10 arc seconds	±15 arc seconds	
<b>Self-Leveling Range</b>	±3°	±3°	±3°	±5°
<b>Slope Range</b>	N/A	N/A	N/A	+/-5%
<b>Rotation Speed</b>	600 rpm	600 rpm	600 rpm	600 rpm
<b>Power</b>	4 "D" size Alkaline Batteries NiMH rechargeable batteries		4 "C" size Alkaline Batteries	
<b>Battery Life</b>	Approx. 120 hrs (alkaline) Approx. 60 hrs (rechargeable)		Approx. 60 hrs	
<b>Dimensions</b>	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)	
<b>Weight</b>	6.1 lbs (2.8 kg) w/batteries		4.1 lbs (1.9 kg) w/batteries	

Laser Receiver	LS-70C	LS-70B
<b>Grade Information Channels</b>	5 (+high/low out of range)	11 (+high/low out of range)
<b>On-Grade Precision</b>	High precision: ±1mm (±0.04") Normal precision: ±2mm (±0.08")	
<b>Audible On-Grade Alarm</b>	Yes	
<b>Power</b>	9Vdc Alkaline	
<b>Battery Life</b>	Approx. 80 hrs	
<b>Auto Shut-off</b>	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-H1Sa/RL-H2Sa single and dual slope lasers

Unmatched accuracy and repeatability in low-cost slope lasers, Topcon's RL-H Series slope lasers far exceed the performance of competitive lasers. Using leveling mechanisms found in our market-leading survey products they break the 5 arc second barrier for repeatability, and provide 10 arc second accuracy across their entire grade range.

### 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:

