



LASER INSTRUMENT: RL-H3A/RL-H3B

**TOPCON**



# RL-H3A/B

## Automatic Lasers

**Creation**  
TOPCON — 2002  
70 years of inspired creation

Applicable Patents:  
US5513001-(1), US 6137567-(48), US6137568-(49)



**Extremely accurate, high-speed self-leveling laser that makes all flatwork faster. Built rugged and feature packed—it's all the laser you'll need. At an unbelievably affordable price.**

**fast**

Stop chasing bubbles and get to work. Just push the power button, — everything else is automatic.

**accurate**

Setting forms at 7' or cutting grade 1100' away (RL-H3A), work with the confidence that you're accurate every step of the way.

**reliable**

On every job you get maximum protection against an out-of-level beam and any change in elevation. Job after job you can't beat Topcon for rugged reliability.

- Fast, automatic leveling •**
- Up to 120 hours of uninterrupted production**
- Automatic "HI" Alert stops the laser if it is disturbed**
- Optimally focused beam • provides long range operation**
- 600rpm rotation speed perfect • for grade checking and Machine Control applications**
- Rugged dustproof, waterproof • with integral handle**

# RL-H3A/B



RL-H3A package shown

**packages**

**just right, for you and your jobs**

Every Topcon laser is packaged to go right to work out of the box. We also offer an entire line of productivity enhancements like tripods, grade rods, and a full line of machine mounted laser receivers (see below).

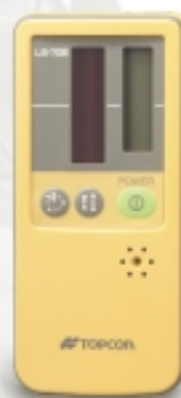
**the total solution  
all the tools you want,  
all the productivity you need**

When you visit your local Topcon dealer to take a look at the RL-H3A/RL-H3B, be sure to have them show you the other time-saving tools Topcon can put to work on your next job.

Whether you're looking for laser indicate systems, full equipment automation (including 3D-GPS+), or survey instruments, Topcon has it all. Only Topcon.



**LS-70B SmartSensor™**



- Laser low battery and HI Alert feature
- 9 bands of proportional grade info, plus up and down "out of range" and beam "quickfind"
- Front and back reading high contrast LCD with audible grade signal
- Quick release clamp

Topcon's LS SmartReceiver™, perfect for the RL-H3A & B, compatible with your other lasers. It's the only receiver you'll ever need.

If you're looking for a "grab and go to work" medium-to-long-range solution for a wide range of jobs, this is your laser.

Set forms, dig footers, cut finished grade—get the job done fast and accurate the first time, for a lot less than you might think.

Superior performance at affordable prices — Only Topcon.

Call us for a demonstration, or better yet check us out on the web at

[www.topconlaser.com](http://www.topconlaser.com)

**RL-H3C Laser**



This ain't no toy. Completely self-leveling, medium range laser at an amazingly low price. Only Topcon has it. The RL-H3C.



**RL-H3A Power**

- Superior power management: 60hrs from rechargeables 120 hours from 4 D-size alkalines
- Quick access, locking battery tray
- AD-9B converter featuring quick charge and run/charge lets you run from AC



**RL-H3B Power**

- Superior power management: 120 hours from 4 D-size alkalines
- Quick access, locking battery tray
- Optional rechargeable battery kit (sold separately)



## yesterday

Topcon Corporation has been a world leader in optical, mechanical, and electronic integration (optomechatronics) for over 70 years. With hundreds of patents to our credit, Topcon is the recognized leader in the manufacture of high accuracy positioning and optical products used world wide by the construction, civil engineering and medical industries.

## ...and today

Topcon continues to produce the world's most innovative products for the construction, survey, agriculture, and mining industries. We offer a full line of laser, sonic, GPS, LPS, and optical devices for numerous specialized industry applications and tasks.

## there when you need us

Topcon maintains an extensive network of factory trained and certified service technicians. And our factory service facility offers a repair and return policy second to none.

For more info on this or any other Topcon product log onto:

[www.topcon.com](http://www.topcon.com)



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Specifications subject to change without notice

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## specifications:

Laser	RL-H3A	RL-H3B
Beam Type	Red (Visible Diode)	Red (Visible Diode)
Laser Communication	Low Battery Power (on laser and LS-70B) HI Alert (on laser and LS-70B)	
Beam Power	2.0mW (Max.)	2.0mW (Max.)
Beam Range	w/LS-70A/B Sensor 7' - 2,300' Dia. (2m - 700m) 7' - 1,300' Dia. (2m - 400m)	
Accuracy	±8 arc seconds (+/-0.0465in / 100ft, +/-1.9mm / 50m)	±10 arc seconds (+/-0.0582in / 100ft, +/-2.4mm / 50m)
Self-leveling Range	±3°	±3°
Rotation Speed	600 rpm	600 rpm
Power Rechargeable:	NiMH	
Alkaline:	4 "D" size	4 "D" size
Battery life Rechargeable:	Approx. 60 hrs	
Alkaline:	Approx. 120 hrs	Approx. 120 hrs
Operational Temp	-4°F ~ +122°F -20°C ~ +50°C	-4°F ~ +122°F -20°C ~ +50°C
Dimensions	8.7"L x 5.7"W x 9.5"H (220mm x 144mm x 241mm)	
Weight	5.73 lbs (2.6 kg) w/o batteries 6.17 lbs (2.8 kg) w/batteries	
Warranty	1 Year	1 Year
<b>Laser Receiver LS-70B</b>		
Grade Information Channels	9 (+high/low out of range)	
On-Grade Precision	High precision: ±1mm (±0.04") Normal precision: ±2mm (±0.08")	
Audible On-Grade Alarm	Yes	
Power	9Vdc Alkaline	
Battery Life	Approx. 80 hrs	
Auto Shut-Off	After 30 minutes w/o beam detection	

### RL-H3A Package includes

RL-H3A Laser  
LS-70B Sensor  
Sensor Holder 6  
BT-49Q Ni-MH battery pack  
AD-9B AC-DC converter  
9V battery  
Operator's manual  
Hard shell carry case

### RL-H3B Package includes

RL-H3B Laser  
LS-70B Sensor  
Sensor Holder 6  
4 D-Cell Batteries  
9V battery  
Operator's manual  
Hard shell carry case

Your local TOPCON dealer is: