



LASER INSTRUMENT: RL-VH3D SERIES

**TOPCON**



# RL-VH3D Series

Full-featured, high-value  
interior laser

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

Applicable Patents:  
US5926305-(33), US5636018-(6), US5517023-(2), US6248989-(58)



**The self-leveling, slope matching, remote control interior laser that fits every budget. Versatile 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.

**visible**

Up close or across the room. Bright areas or dark. Topcon's patented scanning and focused beam stays squarely in your sight.

**flexible**

Drop-ceilings or setting studs. On a tripod, wall mount, sitting on the floor or a countertop, the RL-VH3D gets it done (remotely with the RL-VH3DR).

**Fast, automatic horizontal/ vertical self-leveling**

**Patented beam scanning**

**Optimally focused beam with excellent spot clarity**

**90° split beam for instant plumb, fast layout**

**Electronic slope matching with cross-axis self-leveling**

**Remote control operation (RL-VH3DR)**



*SmartScan® lets you capture the beam and place a bright laser "chalkline" on any surface, up to 100' away!*

# RL-VH3D/DR

## RL-VH3DR: Hands-free simplicity

The RL-VH3DR features the same time-saving features found on the RL-VH3D, with the added advantage of hands-free operation using Topcon's RC-30 radio remote.

Control every function of the RL-VH3DR from up to 295' away. The RC-30 features selectable frequencies so you can use more than

one RL-VH3DR in the area without interruption. A red LED indicates that the RC-30 is sending radio signals, and a single 9 volt battery provides up to 120 hours of continuous use.



Inside or outside. Small jobs or big. Flat or slope. Topcon construction lasers offer more productivity, higher accuracy and greater value. Get all the details at [www.topconlaser.com](http://www.topconlaser.com).



**RL-VH3G**  
Ultra-high visibility GreenBeam® "smart" interior laser



**RL-VH3A**  
High-visibility red beam "smart" interior laser



*Matching slopes in remodeling projects is easy. Simply select the direction of slope and push the button. Electronic control up to a full +/- 5°. Manual control for steep slopes.*



RL-VH3D 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, alignment targets, sensors, and rechargeable battery options. Ask your dealer for details.

## power options

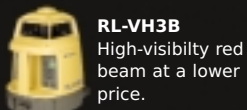
No matter how hard or long you work, the RL-VH3D/DR is ready...

- 120 hours from 4 D-size alkalines (90 hours for RL-VH3DR w/RC-30 remote)
- Quick access battery tray—change batteries quickly without disturbing the laser
- Optional rechargeable battery system



## floors, ceilings, walls, & more...

Easy wall mount set-up, integrated legs for vertical operation, a bright beam and patented scanning for easy visibility, even in bright rooms. And it's fully compatible with Topcon's LS-70 detector for a perfect grade checking solution.



**RL-VH3B**  
High-visibility red beam at a lower price.



**RL-H3C**  
Fully self-leveling automatic laser at an amazingly low price



**RL-H3A/RL-H3B**  
Long-range, high accuracy automatic laser



**RL-H1Sa/RL-H2Sa**  
Single- and dual-slope high-precision lasers



## 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-VH3D	RL-VH3DR
Accuracy (V/H)	±20/±20	±20/±20
Self-leveling Range	±5°	±5°
Wave Length	635nm	635nm
Objective Power	Less than 1mW	Less than 5mW
Light Source	L.D. (visible laser)	L.D. (visible laser)
Laser Class	Class II	Class IIIa
Diameter of Beam Spot	ø5.3mm	ø5.3mm
Measuring Range (diameter)	200(60m) for Scanning/1,000(300m) w/LS-70	
Upper Beam	Yes	Yes
Scanning Plus	Yes	Yes
Stop Mode	Yes (by manual)	Yes (by manual)
Variable Rotating Speed	10 ~ 290 rpm	10 ~ 290 rpm
LS Mode	300 rpm	300 rpm
Operating Time (by alkaline manganese dry battery at +20°C)	120h	90h
Waterproof	IP52	IP52
Ambient Temperature Range	-4°F~122°F (-20°C ~+50°C)	-4°F~122°F (-20°C ~+50°C)
Remote Control Capability	No	Yes
Dimensions	7.1(L)x6.5(W)x9.1(H) 182(L)x167(W)x229(H)mm	7.1(L)x6.5x(W)x9.1(H) 182(L)x167(W)x229(H)mm
Weight	4.2lbs (1.9kg) wo/dry batt. 5.6lbs (2.5kg) wo/dry batt.	4.2lbs (1.9kg) wo/dry batt. 5.6lbs (2.5kg) wo/dry batt.

## Laser Receiver

## LS-70B

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

Your local TOPCON dealer is: