

LASERS

Positioning Tools and Accessories

SLOPE LASERS | UTILITY LASERS | INTERIOR LASERS
LASER LEVELS | 2D MACHINE CONTROL | ACCESSORIES



 **TOPCON**

Positioning Tools and Accessories Catalog

Lasers

RL-H5 Series Self-leveling Construction Laser	2
RL-SV Series Construction Slope Laser	3
RL-200 Series Slope Lasers.....	4
RL-VH4DR Multi-Purpose Rotating Laser	5
TP-L5 Series Pipe Lasers.....	6

Machine Control

LS-B Series Laser Indicate Receivers and Remote Displays	7
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Remote Asset Management

NPA-1 Self-Powered Asset Tracker	8
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Positioning Tools Accessories

Tripods, Grade Rods and Accessories	9-13
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RL-H5 Series

Self-Leveling Construction Laser



- **Long-range operation**
- **Smart long-range receiver**
- **Simple, intuitive manual slope capability**
- **Tough IP66 construction rating**
- **±5 Degrees self-leveling Range**
- **Up to 100 hours battery life**

Long-range high accuracy laser

With great distance and high-accuracy, the RL-H5 Series is simple to use for checking elevations.

Easy to use

With electronic self-leveling, you press the power button and go right to work in seconds. If the RL-H5A / RL-H5B gets disturbed on the job it relevels itself automatically. The self-leveling motors are accurate to ±10 arc seconds (RL-H5A) / ±20 arc seconds (RL-H5B).

Long range operation

Need to shoot elevations up to 400 m from your laser? No problem — this instrument has the power and range to cover a 800 m (RL-H5A) / 400 m (RL-H5B) diameter job site.

Long battery life

The RL-H5A / RL-H5B gives you the option of up to 60 hours of continuous usage with the rechargeable battery pack or 100 hours with (4) D cell batteries.

All weather dependability

With the IP66 rating, the RL-H5A / RL-H5B is job site tough and can withstand dust, a sudden shower and even torrential rainfall.

RL-H5 Series:

- RL-H5A
- RL-H5B

Specifications	RL-H5A	RL-H5B
Accuracy	H: ±10 arc seconds	H: ±20 arc seconds
Self-Leveling Range	Horizontal ±5°	
Working Area (Diameter)	800 m	400 m
Rotation Speed	600 rpm	
Dust / Water Protection	IP66	
Operating Time	Alkaline: 100 hours; Ni-MH: 60 hours	
Operating Temperature	-4°F ~ 122°F (-20°C ~ 50°C)	
Size	205 x 211 x 172 mm	
Warranty	5 Years	

RL-SV Series

Construction Slope Laser



- Long-range operation (800 m)
- Up to 120 hours battery life
- Tough IP66 construction rating
- Included remote control

Slope applications

Designed for a variety of tasks, the RL-SV1S can be used for single slope applications. Slopes up to $\pm 5\%$ can be used in the X axis. And the RL-SV2S can be used for a variety of horizontal, sloping laser applications. Slopes up to $\pm 5\%$ can be used in either the X or Y axis.

High powered

With an operating range of over 800 m (diameter), the RL-SV1S and RL-SV2S have the power to cover even the biggest projects.

Long battery life

Contractors who want a laser with a long battery life will love the RL-SV1S and RL-SV2S. With an operating time of 120 hours on alkaline batteries or 65 hours with the rechargeable Ni-MH battery pack, these lasers will still be working long after others have quit.

All weather dependability

With the IP66 rating, the RL-SV1S and RL-SV2S are rugged and can withstand dust, a sudden shower and even torrential rainfall.

RL-SV Series:

- RL-SV1S
- RL-SV2S

Specifications	RL-SV1S	RL-SV2S
Accuracy	H: ± 10 arc seconds	
Self-Leveling Range	Horizontal $\pm 5^\circ$	
Grade	Single, $\pm 5\%$	Dual, $\pm 5\%$
Working Area (Diameter)	800 m	
Rotation Speed	300, 600 rpm	
Dust / Water Rating	IP66	
Operating Temperature	$-4^\circ\text{F} \sim 122^\circ\text{F}$ ($-20^\circ\text{C} \sim 50^\circ\text{C}$)	
Operating Time	Alkaline: 120 hours; Ni-MH: 65 hours	
Warranty	5 Years	

RL-200 Series

Slope Lasers



- **7 Arc second accuracy**
- **Wide grade range (up to 25% slope) without slope blocks**
- **Up to 100 hours battery life**
- **Range up to 3,600 ft. (1100 m)**
- **Full function remote (RL-200 2S)**

The revolutionary encoding system in the RL 200 Series provides the highest grade repeatability, 7 arc seconds, of any laser. No one even comes close. Setup after setup, time after time, you're always right on grade.

Choose from two models, RL-200 1S single slope or RL-200 2S dual slope. The RL-200 1S provides single slopes from -5% up to +25%. The RL-200 2S provides dual slopes up to $\pm 10\%$ in the X axis, or up to an industry leading -5 to +25% in the Y axis.

Control the RL-200 2S - remotely

When the RL-200 2S is operating, the RC-400 displays all operating information up to 300 m away. Change grade, select menu settings, check operational status, even verify battery life, all without touching the laser.

Verifiable operation? It couldn't be clearer...

The RL-200 features a large, high-contrast, graphical display that clearly shows all functions at a glance.

RL-200 Series:

- RL-200 1S
- RL-200 2S

Specifications	RL-200 Series
Accuracy	H: ± 7 arc seconds
Repeatability	7 arc seconds
Working Area (Diameter)	3,600 ft. (1100 m)
Rotation Speed	300/600/900 rpm
Dust / Water Protection	IP66
Operating Time	Alkaline: 100 hours; Ni-MH: 90 hours
Grade Range (single/dual)	RL-200 2S: ± 10 / -5 to +25 RL-200 1S: -5 to +25 / N/A
Size	10 x 8.6 x 6.9 in. (253 x 218 x 174 mm)
Warranty	5 Years

Visit topconpositioning.com to view the complete line of RL-200 Series Slope Lasers.

RL-VH4DR

Multi-Purpose Rotating Lasers



If you're looking for exceptional value and more options in your construction lasers, the RL-VH4DR laser series lets you pick the tool that is best for your job and your budget.

Choices are good

You can select from either an Interior or General Construction model. All of the RL-VH4 lasers are multi-purpose, accurate and durable.

Fastest setup

The electronic self leveling feature puts you a buttons push away from getting to work.

Easy to use

Need a laser that's easy to use? You can do horizontal, vertical or plumb jobs and get the productivity boost you have come to expect from Topcon.

Excellent return on investment

The RL-VH4 laser series are ultimately designed and built to make you more money. Contact your local Topcon representative and prove to yourself that these new lasers are the best choice for all of your projects.

Now you have the power to work the way you always wanted to work

The RL-VH4 multi-purpose lasers offers you three power options for convenience and flexibility: alkaline, rechargeable and AC run/charge.

The RL-VH4 laser series provides up to twice as many hours of operation from one set of alkaline batteries than other lasers.

- **SmartScan® beam control with line drawing**
- **Remote control capabilities**
- **Horizontal and vertical orientation**
- **Self leveling**

Specifications	RL-VH4DR
Accuracy	2 mm / 20m
Detecting Range	300 m
Laser Class	3R
Rotation Speed	0-300rpm
Dust / Water Protection	IP54
Scanning Width	180 degrees
Operating Time	Alkaline: 30 hours Ni-MH / BT-63Q Rechargeable (option): 45 hours
Size	7.2 x 6.6 x 9.5 in. (182 x 167 x 240 mm)
Warranty	5 Years

TP-L5 Series

Pipe Lasers



- **World's first ultra-visible, reliable GreenBeam®**
- **World's most accurate grade and leveling**
- **World's first Smart Line® auto alignment system**
- **Touch cast aluminum housing**
- **Built in vertical plumb**

Most accurate line of pipe lasers available

The TP-L5 series of alignment lasers offers a unique combination of features and technology that are proven to meet the demands of contractors more than any other alignment lasers on the market.

No matter your specific application, trenches, sewers, over-the-top measuring, or even in mining and tunneling, the TP-L5 series is the industry standard.

Brightest beam available

The patented Topcon GreenBeam® technology provides the brightest, most visible laser beam available. It's easily viewable in the brightest outside conditions.

Updated LCD display

The menu is easier to read, with a bright, LCD display.

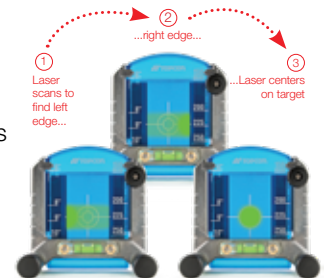
Make adjustments from afar

The RC-200 remote puts all of the features at your fingertips whether you're near the laser or more than 600 feet away.

Tough and reliable

As with all Topcon products, we manufacture with the highest quality in mind and back it up with a five-year laser guarantee.

With features like smartline, auto-alignment, the worlds most accurate grade mechanism, and power options that include a 20% battery increase over existing lasers; it's the industry standard.



TP-L5 Series:

- TP-L5AV
- TP-L5B
- TP-L5BG
- TP-L5G
- TP-L5GV

Specifications	TP-L5
Auto Line Centering	Yes
Auto Grade Zeroing	Yes
Plumb Reference	Yes
Grade Range	-15% to +40%
Line Range	±15%
Horizontal Accuracy	±10" arc seconds
Housing Construction	Cast Aluminum
Operating Temperature	-4°F~122°F (-20°C~50°C)
Waterproof Depth	At least 16.5 ft (5m) for 24 hours
Warranty	5 Years

Visit topconpositioning.com to view the complete line of TP-L5 Utility Pipe Lasers.

LS-B Series

Laser Indicate Receivers and Remote Displays



- **Grade information without exiting machine**
- **360 degree detection**
- **Rugged, waterproof design**
- **Wireless capability**
- **Bright LED indicators**

The LS-B Series of machine mounted laser sensors are affordable grade indicate systems designed to improve grading and excavating production and accuracy.

Fast to setup and easy-to-use, these depth control sensors can be mounted to your earthmoving machines in minutes. Attach any of the LS sensors to a piece of equipment, turn it on, bench in and go to work. No more waiting for a grade checker or jumping off your machine to check your own grade. With Topcon laser sensors you know if you are above, below or on-grade all the time.

Put the LS-B Series laser sensor on a dozer, then move it to your excavator and then onto a scraper. They're so quick to move and convenient to use, you'll want to equip all of your earth moving machines with these production-boosting control systems.

Loaded with features

Each sensor is packed full of features including an Accuracy Mode and Battery Life Indicator and a Power Save/Auto Cut Off function to save battery life.

Choose from three different models: LS-B100, LS-B110 and LS-B110W. All have 360° laser detection range and the LS-B110 includes a Slope and Plumb indicator. You can offset the "on-grade" indicator as well as communicate directly to the Topcon in-cab control boxes for "automatic" mode applications. Use the LS-B110W sensor with the RD-100W, an optional wireless remote display unit. The LS-B10W Series with the RD-100W is perfect for excavating machines with magnetic mounting and 270° detection.

LS-B Series:

- **LS-B100**
- **LS-B110/LS-B110W**
- **LS-B10/LS-B10W**
- **RD-100W**

Specifications	LS-B100
Detective Angle	360°
Detective Precision	Model 1: ±3 mm; Model 2: ±6 mm Model 3: ±15 mm; Model 4: ±30 mm
Continuous Operating Time	Up to 100 hours
Operating Temperature	-4°F ~ 122°F (-20°C ~ 50°C)
Dust / Water Protection	IPX66 (Based on the standard IEC60529))
Warranty	1 Year
Specifications	LS-B10
Horizontal Detecting Range	270°
LED Grade Indicators	Red, Green and Red
Operating Time	Up to 100 hours
Size	4.5 x 1.6 x 7.1 in. with magnet (115 x 40 x 180 mm)
Weight	Less than 500 g
Warranty	1 Year

Visit topconpositioning.com to view the complete line of LS-B Series 2D Indicate Machine Control receivers.

NPA-1

Self-Powered Asset Tracker



The NPA-1 is a battery operated equipment tracking product designed for managing assets that will be deployed for long periods without maintenance needs. This waterproof device features a small size, superior GPS performance, and a long-lasting replaceable lithium-ion battery.

Easy installation

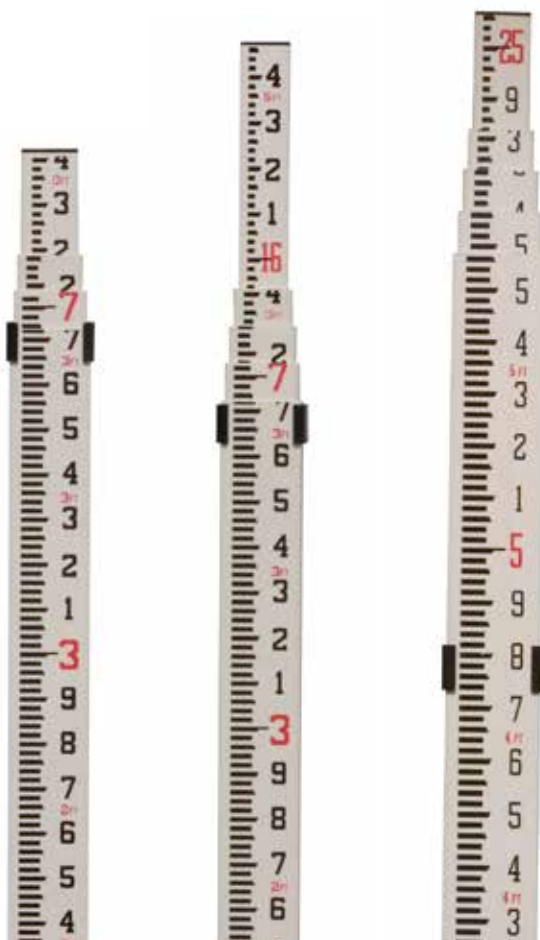
Internal antennas for both cellular and GPS eliminate the need for wires and make the NPA-1 easy and inexpensive to mount in, under, and on top of just about any type of asset. The fully sealed and rugged enclosure is designed to withstand even the harshest outdoor environments.

Great Performance

With a variety of configurable triggers for the reporting of position that include scheduled time, movement, location, geo-zone, and other events, the NPA-1 makes it simple to monitor your valuable equipment.

- **Internal antennas – fully self-contained**
- **Rugged IP67 rating**
- **Up to 7 Years Battery life**
- **57AH battery is field replaceable by end user**
- **Displays road speed while in motion (MPH or KPH)**
- **Easy install**
- **Sensitive GPS receiver works underneath a trailer chassis**
- **Compatible with Topcon Tierra**

Specifications	NPA-1
Microprocessor	ARM7 LPC2378
Memory (Internal)	RAM: 58 KB Flash NAND: 128 MB
Ports & Connectors	Serial Port ₁₁ : (1) RS232 CAN Bus: Yes Connector: (1) Deutsch 12-pin GPS = SMA & GSM = TNC
Real Time Clock (Internal)	Yes
GSM/GPRS Modem (Internal)	Quad Operating Bands: GSM850/900/1800/1900 & SMS capable



Fiberglass Levelling Rods

- Extremely robust design with Anti-Jam® buttons made of brass ensure a long life.
- High-precision scale on front and back.
- Scale on back allowing for overall height readings.
- Ergonomically designed shape for a better grip.
- Non-conductive under dry conditions.
- Laser receiver brackets are easily attached.
- Free carrying bag and snap-on rod level included.
- Quality “Made in Germany”.
- Rectangular design.

- 13' in 10ths
- 13' in inches
- 16' in 10ths
- 16' in inches

Aluminum Tripod



Aluminum tripods are durable with a sling strap for easy hand or shoulder carrying.

Elevating Tripod



The tripod features a robust aluminum top plate with double telescope for a large working range, and built-in bubble for easy set up.



LS-80A

Display readout on front and back.



LS-80L

Display readout on front and back.



LS-80G

Use only with RL-VH4G2.



LS-100D

Display readout on front and back.



Remote Control for RL-VH4DR
RC-40



Remote Control for TP-L5
RC-200



Remote Control for RL-200 2S
RC-400



**Ni-MH Battery
for TP-L5**
BT-53Q



**Alkaline Battery Holder
for TP-L5**
DB-53



Adjustable Target Kit for TP-L5
P38 Red



Sensor Holder 6 for LS-80 Series
Holder 6



Trivet Stand with Adjustable Pole
Trivet Stand



Trivet Handle for TP-L5
Trivet Stand



Wall Mount for RL-VH4DR
Wall Mount 1D



Rechargeable Battery for RL-VH4DR
AD-13 (US)



Rechargeable Battery for RL-SV1S and RL-SV2S
BT-74Q



Rechargeable Battery Holder for RL-SV1S and RL-SV2S
DB-74C



Rechargeable Holder for RL-VH4DR
DB-70C



Charger Adapter for TP-L5
BA-2 Charger



**Battery Charger for RL-SV1S
and RL-SV2S**
AD-15 (US)



Power Cable for TP-L5
PC-17 DC



Magmount Bracket for LS-B100
Magmount



Vibe Pole for LS-B100
Vibe Pole



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