

SPECIFICATIONS

RT-5SW	
Accuracy	±5" (1/32" at 100' (1mm at 40m))
Range	4000 ft. diameter (1200m)
Laser Source	Visible diode (680nm)
Laser Power	High 4.5mW/Low 2.5mW
RPM (Selectable)	300, 600, 900
Grade Range	X:±10% Y:±25% (without tilting unit)
Battery Life (Alkaline)	45 hours (4 D-cells)
Standard Warranty	5 years
Housing Construction	Cast Aluminum
Dust/Water Protection	IPX6

RC-300W Remote	
Display	Graphical High Contrast with Backlight
Functions	X and Y Grade, Rotation Speed, Sensitivity, Beam Power, Masking, Backlight, SmartLine® Auto-Alignment
Range	Two-Way Comm. 1,000 ft. (300m)
Battery Life	3 Months
Auto Shut-Off	Yes
Belt Clip	Yes
Environmental	Waterproof/Dustproof/Shockproof

For more specification information:  
[topconpositioning.com/rt5sw](http://topconpositioning.com/rt5sw)

Five Year Guarantee

The RT-5SW laser comes with a Five Year Guarantee. Topcon is backing up this reliable, accurate laser with the best factory warranty in the industry.



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GENERAL CONSTRUCTION LASER SYSTEMS

Topcon Laser Solutions

Pick the best Topcon laser solution for your job and budget.



RL-100 1S & RL-100 2S

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!

Choose from two models, RL-100 1S single slope, or RL-100 2S dual slope. The RL-100 1S provides single slopes from -5% up to +25%. The RL-100 2S provides dual slopes up to +/-10% in the X axis, or up to an industry leading -5 to +25% in the Y axis.



TP-L4 Series

Topcon's TP-L4 Series of alignment lasers offer a combination of features and technology that are proven to meet the demands of contractors more than any other alignment lasers on the market.

Whether in the trenches, over-the-top, or laser guidance in mining and tunneling, the TP-L4 is the industry standard.



RL-H4C

Topcon's RL-H4C auto-leveling laser combines precision, versatility and value in one job site tough package. Its super-fast self-leveling motors are accurate to +/-10 arc seconds meaning whether you're checking grade or setting batter boards you're going to be accurate the first time. Its high-power 2.4mW diode means you have a 2,600 ft. (800m) diameter working radius making it a great reference for machine mounted receivers.

Your local Authorized Topcon dealer is:

Wireless "Smart" Slope Laser



- World's First SmartLine® Auto-alignment feature
- World's First SmartRemote™
- Longest range, highest accuracy

# RT-5SW Wireless “Smart” Slope Laser



**Fast, dependable, durable, and accurate. The RT-5SW – all the laser, with all the features, you’ll ever need.**

What does it take to make a super accurate laser? It takes a company that’s not reliant on mixing and matching components from third-party vendors. It takes years of experience manufacturing the most advanced leveling systems like those found in high accuracy survey equipment. Only Topcon has the experience, and only Topcon has the RT-5SW laser.

**Total station accuracy, unbeatable repeatability...**

The RT-5SW was designed for long range, high precision applications. The auto-alignment system makes set up on dual slope, steep grade jobs much faster and easier.

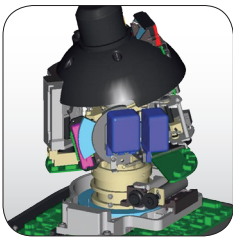
**Advanced technology, simple operation...**

With the RT-5SW, simplicity starts with the RC-300W two-way communicating remote. All features of the RT-5SW are accessible.

Battery life, rotation speed, and auto-alignment are a few of the time saving features displayed on the large LCD.

Slopes up to 25% can also be entered on the RT-5SW without tilting the unit.

Like all Topcon lasers, the RT-5SW is a survivor. An all metal, dust/ waterproof, sealed housing, and a warranty second to none means it’ll be there when you’re ready to work.



**Grade System**

- Super accurate, total station based absolute encoder system
- High reliability
- User definable grade axis
- Set grades up to 25% without tilting the unit



**SmartLine® Alignment System**

- Fast, accurate set-up
- Eliminates human error
- Aligns from center pivot point, not a top-mounted scope
- Automatic second day set-up (Always matches previous day’s hubs)



**Automatic Grade Setting**

- Simple and accurate grade matching
- One person setup
- Eliminate hassle of manually finding the detector
- Works up to 492 ft. (150m)



**Array of Power Management Choices**

- Rechargeable battery means no cables to tangle or tear
- Convenient 6-hour quick charge
- 12Vdc connection powers the laser and recharges the battery at the same time
- One piece “holder” alkaline battery pack

PRIMARY FEATURES

Weather protected, flexible antenna folds down for storage

Removable SmartRemote™ with large LCD provides full operation of the laser up to 1,000 ft. (300m)

Dustproof and waterproof rugged cast aluminum housing holds up to everyday bangs and bumps. Dual side, sturdy handles prevents accidents

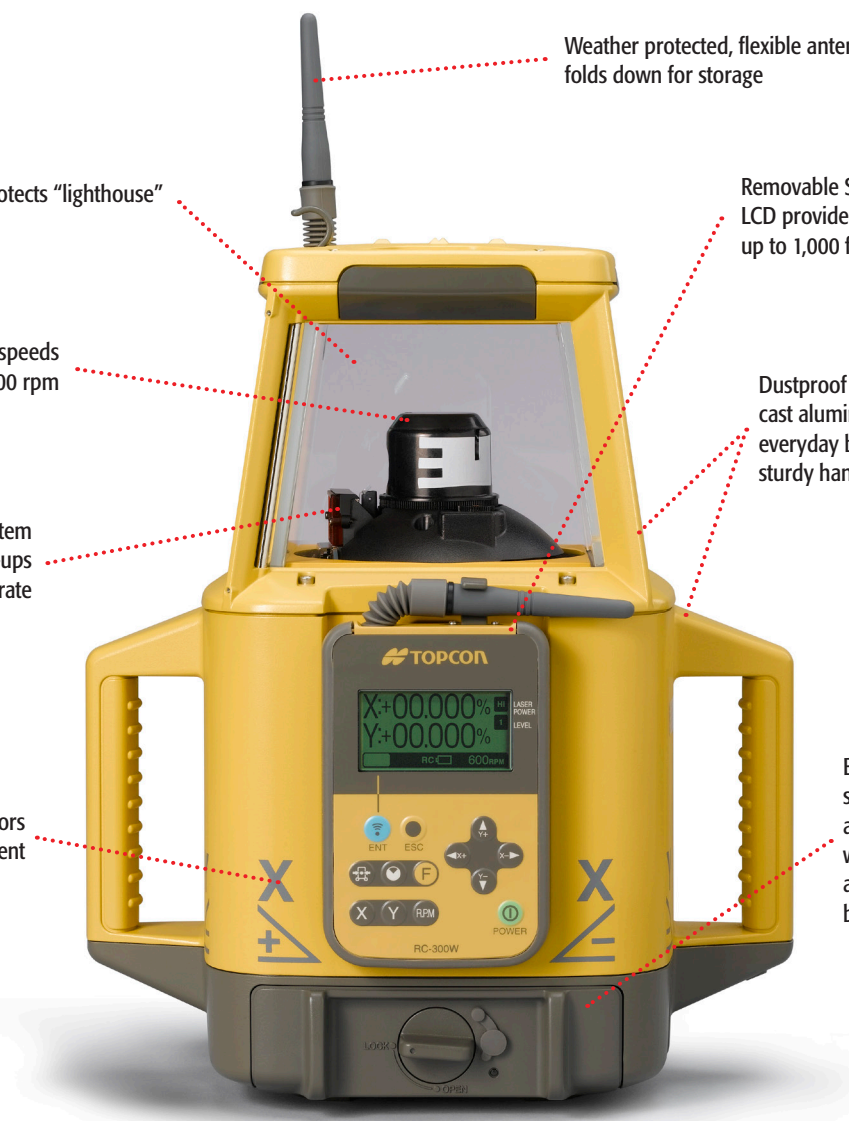
Battery compartment with secure hold battery tray, and run/charge capability with a converter that won't allow charging when alkaline batteries are being used

Heavy duty glass protects “lighthouse”

Selectable rotation speeds from 300 to 900 rpm

Patented SmartLine® system makes second day set-ups easy and accurate

Large grade axis indicators for easy alignment



**RC-300W Remote**

- Full RT-5SW control, up to 1,000 ft. (300m)
- Two-way communication
- Backlit LCD display
- Auto display shut-off
- Waterproof, dustproof, and shockproof
- 3-month battery life



**LS-90 Sensor**

- High accuracy detector
- 3 way guidance: LCD, LED and Buzzer (11 levels of LCD and 3 colors of LED)
- Two-way communication for HI Alert and laser battery status
- Adjustable audible on-grade horn
- “SmartClamp” adjustable rod clamp
- Auto shut-off
- Plate Level is built into the sensor



**Unmatched Machine Receiver Compatibility**

When you’re ready to put your RT-5SW to work with your backhoe, mini-excavator, tractor, or just about any other machine, we have a laser receiver perfect for your job. 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.



**KIT COMPONENTS**

**RT-5SW Standard Package**

- RT-5SW Laser
- LS-90 Laser Receiver w/Holder
- RC-300W Remote
- Rechargeable Ni-MH Battery Pack
- Target
- AD-13 Converter
- Hard Carry Case

