



POSITIONING TOOLS AND ACCESSORIES



SLOPE LASERS | UTILITY LASERS | INTERIOR LASERS | LASER LEVELS
2D MACHINE CONTROL | AUTOMATIC LEVELS | DIGITAL THEODOLITES
TOTAL STATIONS | FIELD CONTROLLERS | SOFTWARE | ACCESSORIES

Positioning Tools and Accessories Catalog

Lasers

RL-H4C Self-Leveling Construction Laser	2
RL-SV2S High Accuracy Dual Slope Laser	3
RL-200 Series Slope Lasers	4
RL-VH4DR Multi-Purpose Rotating Laser	5
TP-L5 Series Pipe Lasers	6

Optical / Layout Instruments

AT-B Series Automatic Levels	7
B Series Automatic Levels	8
DT-200 Series Advanced Digital Theodolites	9
DTx40 Digital Theodolites	10
FX Series Functional X-ellence Station	11
CX Series Compact X-ellence Station	12
CX-60 Series Compact X-ellence Station	13
LN-100 3D Layout Navigator	14

Field Controllers

FC-500 Ruggedized Field Controller	15
FC-5000 Ruggedized Field Computer	16
SHC5000 Ruggedized Field Computer	17
SHC500 Ruggedized Field Controller	18
S-10 Mobile Field Controller	19

Software

MAGNET® Software	20
-------------------------------	----

Machine Control

LS Series Machine Control Receivers	21
--	----

Positioning Tools Accessories

Tripods, Grade Rods and Accessories	22-26
--	-------

RL-H4C

Self-Leveling Construction Laser



- Long-Range Operation (400 m)
- New Smart Long-Range Laser Receiver
- Tough IP66 Construction Rating
- New Dual Handle Design
- ± 10 Arc Seconds Horizontal Accuracy
- ± 5 Degrees Self-leveling Range
- Longest Battery Life in its Class

Multi-Purpose Laser

Grading, excavating and general construction projects are perfect applications for the RL-H4C. With the added "Slope Matching" feature, you can check grade on all your flat and slope work.

The 600 rpm rotation speed makes the RL-H4C a great match with any machine mounted laser sensor. Wherever you need an accurate, horizontal laser, the RL-H4C is your best solution.

Easy-To-Use

With electronic self-leveling, hit the power button and go right to work in seconds. If your RL-H4C gets disturbed on the job it re-levels itself automatically. Its super-fast self-leveling motors are accurate to ± 10 arc seconds.

Long Range Operation

Need to shoot elevations up to 1,300 ft. from your laser? No problem. This instrument has the power and range to cover a 2,600 ft. diameter job site.

Specifications	RL-H4C
Accuracy	1/16 at 100'
Self-Leveling Range	Horizontal $\pm 5^\circ$
Working Area (Diameter)	2,600 ft. (800 m)
Rotation Speed	600 rpm
Light Source	Visible Laser: 635nm
Laser Power	2.4mW
Laser Class	Laser Safety CDRH(FDA) III a JIS/IEC 3R
Dust / Water Protection	IP66
Operating Time	Alkaline: 100 hours; Rechargeable Ni-MH: 60 hours
Operating Temperature	$-4^\circ\text{F} \sim 122^\circ\text{F}$ ($-20^\circ\text{C} \sim 50^\circ\text{C}$)
Size	8.5 x 7.7 x 7.0 in. (216.5 x 195.6 x 177 mm)
Weight	5.3 lbs. (2.4 kg) with dry cell batteries; 5.7 lbs. (2.6 kg) with rechargeable
Warranty	5 Years

RL-SV2S

High Accuracy, High Value Dual Slope Laser



- **Dual, Single Slope for Flat Work**
- **High Powered – 2,600 ft. Range**
- **Long Battery Life – Up to 100 Hours**
- **Multi-Purpose – Use for Layout and Alignment**

Dual Slope, Long Range, Self-Leveling Laser

Following in a long line of superior quality laser transmitters, the RL-SV2S is a dual slope, long-range, self-leveling instrument built to outperform all of its competitors.

This general construction or engineering laser is designed to be used for flat work, single or dual slope applications. Slopes up to $\pm 5\%$ can be used in either the X or Y axis. With a 2,600 ft. diameter operating range the RL-SV2S has the power to cover even the biggest job sites.

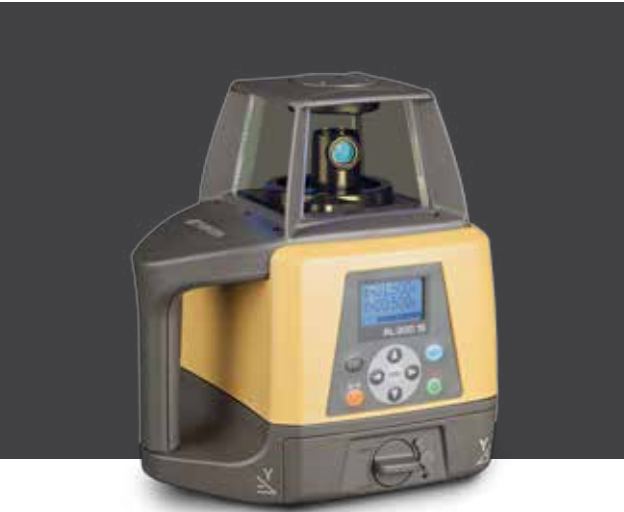
The RL-SV2S can be turned on its side for layout and alignment applications. Lay it on the built-in mount or attach it to a tripod and the laser will electronically self-level for fast and accurate vertical applications.

This versatile construction tool is loaded with all the features contractors depend on including long battery life (100 hrs/alkaline or 60 hrs/rechargeable Ni-MH), height of instrument alert, and electronic shutters. All of these features (and others) can be accessed on the front control panel or on a remote control device which comes standard.

Specifications	RL-SV2S
Accuracy	1/16" at 100'
Self-Leveling Range	Horizontal $\pm 5^\circ$
Working Area (Diameter)	2 m - 800 m w/ LS-80L
Rotation Speed	600 rpm
Light Source	Laser Diode: 635nm
Laser Class	CDRH (FDA) Class IIIa, IEC Class 3R
Dust / Water Protection	IP66
Operating Time	Alkaline: 100 hours; Rechargeable Ni-MH: 60 hours
Operating Temperature	-4°F ~ 122°F (-20°C ~ 50°C)
Size	7.0 x 7.7 x 8.5 in. (177 x 196 x 217 mm)
Weight	5.5 lbs. (2.5 kg) with dry cell batteries; 5.9 lbs. (2.7 kg) with rechargeable
Warranty	5 Years

RL-200 Series

Slope Lasers



- **7 Arc Second Accuracy**
- **Wide Grade Range (up to 25% slope) without Slope Blocks**
- **Extra-long Battery Life (100 hours)**
- **Increased Range - Up to 3,600 ft. (1100m)**
- **Graphical Display**
- **Full Function Remote (RL-200 2S Only)**

Rugged, Lightweight and Compact

The RL-200 Series revolutionary encoding system provides the highest grade repeatability, 7 arc seconds, of any other laser. Every setup, every 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 +/-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 1,000 ft. (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.

Specifications	RL-200 Series
Accuracy	1/16 at 100'
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 Laser



Multi-Purpose Rotating Laser

If you're looking for exceptional value and more options in your construction lasers you've come to the right place. The RL-VH4DR Laser Series lets you pick the tool that is best for your job and your budget.

- SmartScan® Beam Control with Line Drawing
- Remote Control Capabilities
- Designed for Fast Set-up Time

Vertical Alignment

Use the 90 degree plumb beam to easily square walls and align wall track. Simply place the optional vertical target on your line, place the RL-VH4DR at the other end, and use the manual slope buttons, or the included RC-40 Remote to center the beam on the target.

SmartScan®

SmartScan® technology lets you draw a line of focused laser light on any surface, to any length you need, and stays there until you release it using the target plate.

Self-leveling

Set up within 5 degrees of level and push the power button. RL-VH4DR features fast self-leveling (under 5 seconds) so it will be spinning and ready to go to work when you are.

Specifications	RL-VH4DR
Detecting Range	300 m
Beam Type	635 nm red
Rotation Speed	0-300 rpm
Laser Class	3R
Scanning Width	180 degrees
Dust / Water Protection	IP54
Operating Time	Alkaline: 30 hours
Size	7.2 x 6.6 x 9.5 in. (182 x 167 x 240 mm)
Weight	4.85 lbs. (2.2 kg)
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 SmartLine® auto alignment system
- Touch cast aluminum housing
- Built-in vertical plumb

TP-L5 Series:

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

World's easiest-to-use and accurate pipe lasers

The TP-L5 Series of alignment lasers offer a unique combination of features and technologies that are proven to meet the demands of contractors more than any others 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

TP-L5's patented GreenBeam technology provides the brightest, most visible laser beam available. It's easily viewable even in the brightest outside conditions.

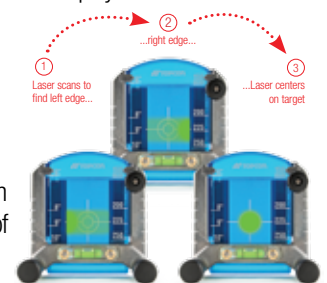
Updated LCD Display

The TP-L5 boasts a new, even easier-to-read menu, with a bright LCD display.

Make Adjustments from Afar

The RC-200 remote puts all the TP-L5 features at your fingertips, whether you're near the laser or more than 600 feet away.

Auto alignment eliminates the hassles in getting your pipe laser aligned to the target properly. Just put your target in the pipe, push the Auto Alignment button, and the pipe laser will find the center of the target on its own.



Specifications	TP-L5
Auto Line Centering	Yes
Auto Grade Zeroing	Yes
Housing Construction	Cast Aluminum
Line Range	±15%
Plumb Reference	Yes
Laser Source	633 nm Red Diode, 515 nm Green Diode
Waterproof	At least 16.5 ft (5m) for 24 hours
Grade Range	-15% to +40%
Operating Time	Red – Alkaline: 77 hours; Rechargeable: 53 hours Green – Alkaline: 54 hours; Rechargeable: 40 hours
Operating Temperature	-4°F~122°F (-20°C~50°C)
Warranty	5 Years

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

AT-B Series

Automatic Levels



- Three models - 32x, 28x, and 24x magnifications
- Ultra-short 20 cm focusing
- All-weather dependability
- ± 5 Degrees self-leveling range
- Clampless, endless fine horizontal adjustments

AT-B Series:

- AT-B2
- AT-B3A
- AT-B4A

Rapid, Stable, and Durable Compensator

The compensator of AT-B Series incorporates four suspension wires made of super-high-tensile metal, which features minimal thermal expansion coefficient – providing unmatched durability and accuracy. The finely tuned magnetic damping system quickly levels and stabilizes the line-of-sight despite the fine vibrations present when working near heavy equipment or busy roadways.

Horizontal Circle for Measurement

Horizontal angles can be directly read in 1° or 1 gon units. The free rotation feature allows you to read any angle from zero. The circle is covered for protection against dirt and scratches and the readout window is located below the eyepiece for quick reference.

20 cm - Short Minimum Focus

The AT-B Series can focus on objects 20 cm in front of the telescope. This feature dramatically facilitates working in confined spaces.

All-Weather Dependability

With the IPX6 rating, the instrument is protected against powerful water jets from all directions, meaning the AT-B Series withstands a sudden shower or torrential rainfall. The advanced protection design also deters clouding or condensation inside the telescope.

Specifications	AT-B2	AT-B3A	AT-B4A
Magnification	32x	28x	24x
Field of View	$1^\circ 20'$	$1^\circ 25'$	$1^\circ 25'$
Min. Focus from center of the instrument		0.3 m	
Image		Erect	
Stadia		Yes (1:100)	
Focusing Knob	2-speed	1-speed	1-speed
Setting Accuracy	0.3 in.	0.5 in.	0.5 in.
Working Range	± 15 ft.	± 15 ft.	± 15 ft.
Dust / Water Protection	IPX6 (IEC 60529:2001)		
Operating Temperature	$-20^\circ\text{C} \sim 50^\circ\text{C}$		
Size	122 x 215 x 140 mm	122 x 214 x 140 mm	
Weight	1.85 kg	1.5 kg	

B Series

Automatic Levels



- Enhanced reliability under all conditions
- Tough and compact bodies sealed against water, humidity and dust
- Quick setup, easy sighting and superior durability against shock and vibration
- Stadia lines on the reticle allow distance measurements

Precise, Reliable Automatic Compensator

The B-series levels incorporate the most precise and reliable compensator available in the market today. Four super-high-tensile suspension wires and a magnetic damping system ensure accuracy and stability even when exposed to temperature changes, vibrations, or shock.

Superior Telescope

The optimally designed telescope provides an exceptionally bright and sharp view that reduces the operator's eye strain. An ultra-short focus distance of 20 cm from end of telescope* makes it easy-to-use in confined locations. The two-speed focus knob switches between coarse and fine for even faster operation (B20).

**30 cm from instrument center*

Quick Collimation

Two knobs of endless horizontal motion drives can be operated with either hand for fast and easy aiming.

Horizontal Angle Measurement

Horizontal angles can be read in 1° or 1 gon units. Freely rotatable circle allows any angle reading from zero. Right angles can be quickly set for layout and alignment tasks. The readout window is conveniently located on the instrument base – directly below the eyepiece.

B Series:

- B-20
- B-30A
- B-40A

Specifications	B-20	B-30A	B-40A
Magnification	32x	28x	24x
Field of View	1°20'	1°25'	1°25'
Min. Focus from center of the instrument	0.3 m		
Image	Erect		
Stadia	Yes (1:100)		
Focusing Knob	2-speed	1-speed	1-speed
Setting Accuracy	0.3 in.	0.5 in.	0.5 in.
Working Range	±15 ft.	±15 ft.	±15 ft.
Dust / Water Protection	IPX6 (IEC 60529:2001)		
Operating Temperature	-20°C ~ 50°C		
Size	130 x 215 x 140 mm	130 x 214 x 140 mm	130 x 214 x 135 mm
Weight	1.85 kg	1.5 kg	

DT-200 Series

Advanced Digital Theodolites



- Laser Pointer through the Scope
- Extremely Low Power Consumption
- Waterproof and Dustproof
- RS232C Data I/O Port
- Operates on 4 AA Batteries

Compact, lightweight, and sets-up in seconds

With the DT-209 you'll be up and working fast thanks to its simple interface and large, easy-to-see backlit LCD. There's an optical plummet that helps make set up over a control point easy, and a tilt sensor that provides $\pm 3'$ minute angle correction. The DT-209 Series features two magnification choices – 26x and 30x, a super-short 3' minimum focus distance for those tight areas, and angle accuracies of 5, 7, and 9 arc seconds.

Laser Pointer

Add a whole new dimension of accuracy and confidence to your alignment jobs with the DT-209L Series, featuring a red Class II laser beam. It can be used anywhere on your site and seen clearly in direct sunlight up to 165'. Now, you can easily and accurately place anchor bolts at regular intervals on a line, set an angle and use the beam to verify your tape measure is properly aligned for the next stake, or "sight in" footers, frames, and tilt-up walls, all without pulling a string!

No matter which DT-209 you choose, you'll experience unmatched simplicity and value.

DT-200 Series:

- DT-205
- DT-205L
- DT-207
- DT-207L
- DT-209
- DT-209L

Specifications	DT-205 DT-205L	DT-207 DT-207L	DT-209 DT-209L
Angle Measurement Accuracy	5"	7"	9"
Telescope Magnification	30x	30x	26x
Laser Pointer	DT-205L: Focusing	DT-207L: Focusing	DT-209L: Focusing
Display Unit	2 sides	2 sides	1 side
Compensator Tilt Sensor	Vertical	N/A	N/A
Compensating Range	$\pm 3'$	N/A	N/A
Operating Temperature	-68°F ~ 122°F (-20°C ~ 50°C)	-68°F ~ 122°F (-20°C ~ 50°C)	-68°F ~ 122°F (-20°C ~ 50°C)
Operating Time: Theodolite Only	140 hours	150 hours	170 hours
Operating Time: Theodolite and Laser	45 hours (DT-205L)	45 hours (DT-207L)	45 hours (DT-209L)

DTx40 Series

Digital Theodolites



- 2.5" – unsurpassed telescope resolving power (*Except for DT940(L)*)
- IP66 – industry's highest dust/water protection
- Absolute encoders
- Lightweight
- Standard LR6/AA batteries
- Up to 170 hours of operating time

DTx40 Series:

- DT-240
- DT-540
- DT-740
- DT-940

Power-Saving Technology to Save Battery Costs

Four LR6/AA alkaline batteries provide extra-long operating time from 100 to 170 hours, saving costs for replacement batteries. The DT instruments operate for two to five weeks without changing batteries.*

** When used for seven hours a day, five days a week, excluding the use of laser pointers.*

Laser Pointer to Increase Construction Work Efficiency*

The DT laser models feature built-in coaxial laser pointers that maximize construction work efficiency. The applications include:

- Layout / Setting-Out
- Horizontal / Vertical Alignment
- Leveling
- Grading
- Squaring

** Laser models only*

Long-Range Laser with Ultra-Small Beam Spot (Laser Models)

The laser beam reaches 200 m (660 ft.) under indoor or underground conditions. Even under daylight conditions, the beam spot be recognized at up to 50 m (164 ft.) away from the instrument. The red laser beam emitted from the objective lens is focused simultaneously with the telescope, meaning the beam spot size becomes the minimum where you focus.

Specifications	DT-240	DT-540	DT-740	DT-940
Angle Measurement Accuracy	2"	5"	7"	9"
Telescope Magnification	30x	30x	30x	26x
Display	LCD, 7 digits x 2 lines, backlight			
Compensating Range	±3'	N/A	N/A	N/A
Operating Temperature	-68°F ~ 122°F (-20°C ~ 50°C)			
Operating Time: Theodolite Only	100 hours	140 hours	150 hours	170 hours

FX Series

Functional X-ellence Station



Great performance in a compact size

Take charge of jobsites with world-class accuracy, the FX is ready for whatever you need to accomplish. This professional grade robotic total station provides an on-board data collection interface, long-range communication, and an incredibly powerful EDM.

It also features TSshield, an exclusive telematics-based communications module that provides remote security, tracking, and diagnostic support. Long-Range *Bluetooth*® technology allows data to be seamlessly transferred to a *Bluetooth*-equipped controller. Its compact size and long-lasting battery makes long work days easier to manage.

- Windows® CE operating system in compact, rugged body
- Advanced Angle Measurement System
- RED-Tech advanced reflectorless measurement
- Long-Range *Bluetooth*® wireless communication
- TSshield security, tracking, and remote diagnostic support
- Available in 1, 2, 3, and 5 second models

FX Series:

- FX-101
- FX-102
- FX-103
- FX-105

Specifications	FX-101	FX-102	FX-103	FX-105
Magnification / Resolving Power	30x / 2.5"			
Others	Length: 171 mm (6.7 in.), Objective aperture: 45 mm (1.8 in.) (48 mm (1.9 in.) for EDM), Image: Erect, Field of view: 1°30' (26 m / 1,000 m), Minimum focus: 1.3 m (4.3 ft.), Reticle illumination: 5 brightness levels			
Display Resolution	0.5" / 1" (0.0001 / 0.0002 gon, 0.002 / 0.005 mil)	1" / 5" (0.0002 / 0.001 gon, 0.005 / 0.02 mil)		
Accuracy (ISO 17123-3:2001)	1"	2"	3"	5"
IACS (independent Angle Calibration System)	Provided		--	
Dual-axis compensator / Collimation compensation	Dual-axis liquid tilt sensor, working range: ±6' (±111 mgon) / Collimation compensation available			

CX Series

Compact X-ellence Station



Tradition meets innovation with the CX total station

Easy-to-use, high-precision, rugged and reliable: The CX incorporates many new technologies while still maintaining easy-to-use functionality.

New features include advanced RED-tech EDM for fast, pinpoint reflectorless measurement up to 500 m. Its Long-Range *Bluetooth*® wireless communication provides data instantly to your *Bluetooth*-equipped controller, up to 500 m away. Integrated TSshield provides unmatched remote ability to track, secure, and support your instrument. Its IP66 dustproof/waterproof rating, heavy-duty metal chassis and handle, and work-week battery life make the CX a leader in conventional total stations.

- Advanced Angle Measurement System
- RED-Tech advanced reflectorless measurement
- Long-Range *Bluetooth*® wireless communication
- TSshield security, tracking, and remote diagnostic support
- Longest battery life – 36 hours
- Available in 1, 2, 3, 5, and 7 second models

CX Series:

- CX-101
- CX-102
- CX-103
- CX-105
- CX-107

Specifications	CX-101	CX-102	CX-103	CX-105	CX-107
Magnification / Resolving Power	30x / 2.5"				30X 3.5"
Others	Length: 171 mm (6.7 in.), Objective aperture: 45 mm (1.8 in.) (48 mm (1.9 in.) for EDM), Image: Erect, Field of view: 1°30' (26 m / 1,000 m), Minimum focus: 1.3 m (4.3 ft.), Reticle illumination: 5 brightness levels				
Display Resolution	0.5" / 1" (0.0001 / 0.0002gon, 0.002 / 0.005mil)	1" / 5" (0.0002 / 0.001gon, 0.005 / 0.02mil)			
Accuracy (ISO 17123-3:2001)	1"	2"	3"	5"	7"
IACS (independent Angle Calibration System)	Provided		--		

CX-60 Series

Compact X-ellence Station



- RED-tech technology reflectorless EDM
- Reflectorless up to 350 m
- Up to 15 hours battery life
- On-board software
- Red laser pointer
- Waterproof IP66

CX-60 Series:

- CX-62
- CX-65

Waterproof, rugged, and easy-to-use

The CX-60 Series total station is a builder class instrument with an IP66 waterproof casing and reflectorless EDM technology. In addition, the CX-60 features other key specifications such as dual axis compensation, 15-hour battery life and on-board survey software capable of storing 5,000 points. These features combined with the affordable price, makes it the perfect entry-level solution for site layout or as-built survey.

Specifications	CX-62	CX-65
Magnification / Resolving Power	30x / 2.5"	30x / 2.5"
Length	171 mm	
Objective aperture	45 mm (48 mm for EDM)	
Image	Erect	
Field of view	1°30' (26 m / 1,000 m)	
Minimum focus	1.3 m	
Reticle illumination	5 brightness levels	
Display Resolution	1" / 5" (0.0002 / 0.001 gon, 0.005 / 0.02 mil)	
Accuracy (ISO 17123-3:2001)	2"	5"
IACS (independent Angle Calibration System)	Provided	--
Dual-axis compensator / Collimation Compensation	Working range: $\pm 6'$ (± 111 mgon) Collimation compensation available	

LN-100

3D Layout Navigator



The world's first 3D positioning system designed specifically for construction layout

The LN-100 utilizes time-proven laser and robotic total station technologies to create a totally new tool that's easy-to-use, without sacrificing the accuracy and versatility demanded for all types of construction layout.

- Laser Pointer through the Scope
- Extremely Low Power Consumption
- Waterproof and Dustproof
- RS232C Data I/O Port
- Operates on 4 AA Batteries

With the press of just one button, the LN-100 automatically self-levels and is ready for action. Fire-up its hand-held, touch-screen controller and you are ready to go to work.

With the wireless controller, call up simple point layout or large CAD drawings — right in the palm of your hand, anywhere on the site. Display the design point or line that needs to be staked out, touch it, and the LN-100 laser immediately points to the exact location. It can also lock onto a prism and guide you to the next design points. One-person layout has never been this easy.

From traditional utility layout, to foundations, electrical, plumbing, walls, ceilings, HVAC, and much more, layout anything on the job site up to 100 m away. Never before has construction layout been so powerfully simple.

3D layout tool

The LN-100 is a compact, self-leveling, easy-to-setup 3D layout tool designed for construction layout. Use the LN-100 instead of theodolites tapes or other layout tools. Compact, rugged and very light weight, the LN-100 is ideal for construction layout and as-builts.

Specifications	LN-100
Range	0.9 m – 100 m
Horizontal Rotation	360°
Communication	Wireless 802.11n/b/g
Working Duration	5 Hours (1 battery)
Dust/Water Rating	IP65
Dimensions	185 x 196 x 295 mm
Weight	~ 4 kg (including batteries and antenna)

FC-500

Ruggedized Field Controller



- 4.3 in. sunlight-readable display
- MIL-STD 810G and IP68 certified
- 1 GHz processor
- 5 megapixel integrated camera (optional)
- Internal 3.5G cellular modem (optional)
- Internal GPS with 1-5 meter accuracy (optional)

Meet modern field demands

The FC-500 field controller is designed for the construction, mapping and survey professional – and getting the most out of all Topcon GNSS receivers and optical total stations. The FC-500 has an optional 3.5G cellular modem to instantly connect to MAGNET Enterprise and Sitelink3D™ secure services for sending and receiving data files from active job sites.

With a capacitive touchscreen, similar to a smartphone, the display surface is also extremely scratch-resistant and much more pierce-resistant to sharp objects compared with displays in other products.

With the FC-500's internal "intelligent" batteries, there is no worry of ever overcharging. Typical battery life is tested to up to 20 hours with excellent performance under extreme conditions. Recharging is fast and achieves a 50 percent charge in as little as an hour.

The FC-500's external ports are located at the base of the unit: USB Host, USB client micro, power, and audio. The USB Host A is used in the field to quickly copy a large job, coordinate or DXF file to the FC-500. The DB9 serial port is perfect for older total stations that still require a cable.

Sunlight readable display

The FC-500 features a 4.3 in. display designed for viewing in direct sunlight. The display uses a one-touch interface that is optically bonded to increase visibility.

Specifications	FC-500
Processor	1 GHz ARM Cortex A8 i.MX53
Operating System	Microsoft® Windows Mobile 6.5
Memory and Data Storage	512 MB RAM 8 GB flash storage Micro-USB
Ports	COM1 RS-232C (D-sub 9 pin) 5 V DC Power USB Host (Full A) USB Client (Micro)
Wireless Connection	Bluetooth® Wi-Fi 802.11 b/g/n

FC-5000

Ruggedized Field Computer



- Sunlight-readable 7 in. display
- Intel® Atom™ Z3745 processor
- MIL-STD-810G and IP68 certified
- Windows® 10 operating system
- 8 MP rear camera, 2 MP front camera
- Integrated 4G LTE cellular module (optional)

Multiple technologies deliver power and versatile control

Starting with its handy 7-inch display specifically designed for visibility in direct sunlight, the FC-5000 field computer is built with your productivity in mind. Stay productive and in control through any weather conditions using exposed fingertips, gloves, or even a small tipped stylus that is optically bonded to increase sensitivity even while working in the rain.

In addition to a field-ready IP68 environmental rating – which protects against dust and allows the unit to be waterproof at a one meter depth for up to two hours – the FC-5000 is independently certified as MIL-STD 810G, capable of operating in temperatures from -20°C to 50°C.

The unit is built for speed with an Intel® Atom™ Z3745 processor that drives any Topcon software with ease and is ready to work with your large design files. Ideal for grade checking with Pocket 3D and for survey-related projects using MAGNET® Field data collection software.

As field measurements are made, MAGNET Field software provides the ability to use the integrated digital cameras to capture unlimited photo notes and automatically tag initial locations. Once a MAGNET Field job file is uploaded to MAGNET Enterprise, project managers and office staff have instant access for coordination including visual verifications within your private Company Account.

Stay connected, productive, and in control with the Topcon FC-5000 field computer.

Specifications	FC-5000
CPU	Intel® Atom™ Z3745 Processor
OS	Microsoft® Windows 10
Memory	4 GB LPDDR3 RAM, SD slot, user accessible
Display	7 inch screen, Wide XGA at 1280 x 800
Bluetooth®	Long-range Bluetooth® Smart Ready wireless technology, v4.0+EDR, Class 1.5, BLE support
Wi-Fi	802.11a/b/g/n, 2.4 GHz and 5 GHz
Dimensions (L x W x H)	13.71 x 3.45 x 21.5 cm
Operating Time	Up to 15 hours (5 hours internal batteries, 10 hours with swappable batteries)

SHC5000

Ruggedized Field Computer



- 7 inch sunlight readable display
- Mil-STD 810G and IP68 certified
- 8MP rear, 2MP front digital cameras
- 4G LTE cellular modem, optional
- Internal GPS, 2 to 5 meter accuracy
- Integrated *Bluetooth*® and Wi-Fi

Your daily field computer

Stay connected, productive, and in control with the SHC5000 field computer. The compact and rugged hand-held device offers a crisp display even in bright sunlight conditions. An optional 4G LTE cellular modem enables direct communication with office staff and managers, including instant file transfer from active project sites. And like most of our Sokkia solutions, you can choose from a wide variety of software to meet your needs and create your own workflows.

Specifications	SHC5000
Processor	Intel® Atom™ Z3745 Processor
Operating System	Microsoft® Windows 10
Memory and Data Storage	4 GB LPDDR3 RAM User accessible SD Slot
Display	7 inch screen, Wide XGA (WXGA) at 1280 x 800
<i>Bluetooth</i> ®	Long-range <i>Bluetooth</i> ® Smart Ready wireless technology, v4.0+EDR, Class 1.5, BLE support
Wi-Fi	802.11a/b/g/n, 2.4 GHz and 5 GHz
Dust/Water Rating	IP68 certified
Dimensions (L x W x H)	13.71 x 3.45 x 21.5 cm
Operating Time	10+ hours

SHC500

Ruggedized Field Controller



- Large Sunlight Readable Display
- MIL-STD 810G and IP68 Certified
- 1GHz Processor
- 5 MP Camera
- 3.5G Cellular Module (optional)
- Internal GPS 2-5m Accuracy

Production on the go

Put maximum processing power and mobility in your hands with the SHC500. With the same touch-screen technology as smartphones, the field controller has internal GPS and a sunlight-readable display that delivers in all elements.

With the SHC500's internal "intelligent" batteries, there is no worry of ever overcharging. Typical battery life is tested to 20 hours with excellent performance under extreme conditions. Recharging is fast and comes to a 50 percent charge in as little as an hour.

The SHC500's external ports are located at the base of the unit: USB Host, USB client micro, power, and audio. The USB Host A is easily used in the field to quickly copy a large job, coordinate or DXF files to the SHC500. The DB9 serial port is perfect for older total stations that still require a cable.

Specifications	SHC500
Processor	1 GHz ARM Cortex A8 i.MX53
Operating System	Microsoft® Windows Embedded Handheld 6.5
Memory and Data Storage	512MB RAM 8 GB flash storage User accessible Micro SD/SDHC slot
Ports	COM1 RS-232C 9-pin D Connector with 5 VDC power output USB Host (Full A) USB Client (Micro)
Wireless Connectivity	Bluetooth® Wi-Fi 802.11b/g/n

S-10

Mobile Field Controller



- Windows Mobile® 6.5
- 624MHz Intel X-Scale Processor and Graphics Accelerator
- Integrated *Bluetooth*®, Wi-Fi, and Cellular Modem
- Integrated 5 Megapixel Camera
- VGA Color Display, Sunlight-readable Transflective Touch Screen
- Waterproof IP65

High performance in a compact design

The S-10 Data Collector is rugged, powerful, connected and compact, offering high-performance with an outdoor-readable display. The ergonomic design is easy-to-hold and enables all-day use with the lithium-ion battery. The S-10 handheld has cellular data capabilities for use with VRS networks or sending data to your field or office software. The 5-megapixel camera can be used to photo document assets in the field and location data can be retrieved from the integrated GPS receiver. The waterproof IP65 and the 1 meter drop onto concrete will be proven on any construction site.

Specifications	S-10
CPU	624MHz Intel X-Scale processor with built-in Graphics Accelerator
OS	Microsoft Windows Mobile® 6.5
Memory	256 MB NAND Flash MicroSD Card Slot
Display	Sunlight-readable 3.7 in. VGA (480 x 640) transflective touch screen
Communications	Wireless LAN 802.11 b/g <i>Bluetooth</i> ® USB Type Mini-B
Internal modem	850/900/1800/1900 Global four frequency
GPS Type	12 channel SIRFstar III chipset
GPS Horizontal Accuracy	2-5 m
Built-in Camera	5 MP, Autofocus Camera
Water Protection	IP65
Operation Temperature	-4°F to 140°F (-20°C to 60°C)
Storage Temperature	-22°F to 158°F (-30°C to 70°C)
Drop Test	Drop 3.9' (1.2 m)
Dimensions (W x H x L)	3.7" x 6.3" x 1.2" (94 x 160 x 30.5 mm)
Weight with Battery	9.6 oz (272 g)
Battery	3000 mAh Li-Ion battery
Operating Time	Up to 10 hours of operation

MAGNET

Software



Your layout process, made more efficient

MAGNET® Office Layout includes the editing and drawing tools required to easily make points from objects and confidently take a building plan into the field for layout. It is the ideal CAD software solution for small site design that helps you to collaborate within your secure company account inside the MAGNET system. Inspect and prepare design data from a wide range of file formats or even from popular PDF files.

- Convert PDF files into vectorized linework
- Flexible CAD Functionality
- Supports all land surveying and construction applications
- Support of 3D-MC construction industry format
- Ability to log in directly to your private MAGNET Company Account
- Single file sharing for all project, design, and raw data

LS-B10 / LS-B100 Series

Machine Control Receivers



- **LS-B10: 270° Detection**
LS-B100: 360° Detection
- **Rugged, Waterproof Design**
- **Wireless**
- **Bright Indicator Lights**



LS-B10 Receiver

The LS-B10 laser receiver delivers a versatile, low-cost indicate solution for grade checking and machine control grade applications. With its integrated magnetic mount, the LS-B10 can be easily installed on a vast array of machines. With its small, lightweight design, the LS-B10 with Holder-6 is excellent for manual grade checking as well.

LS-B100 Receiver

Fast to set up and easy-to-use, this affordable depth control sensor can be mounted to your equipment and working within minutes. Features include an Accuracy Mode and Battery Life Indicator. The Power Save/Auto Cut Off function helps save your battery life.

LS-B110 Receiver

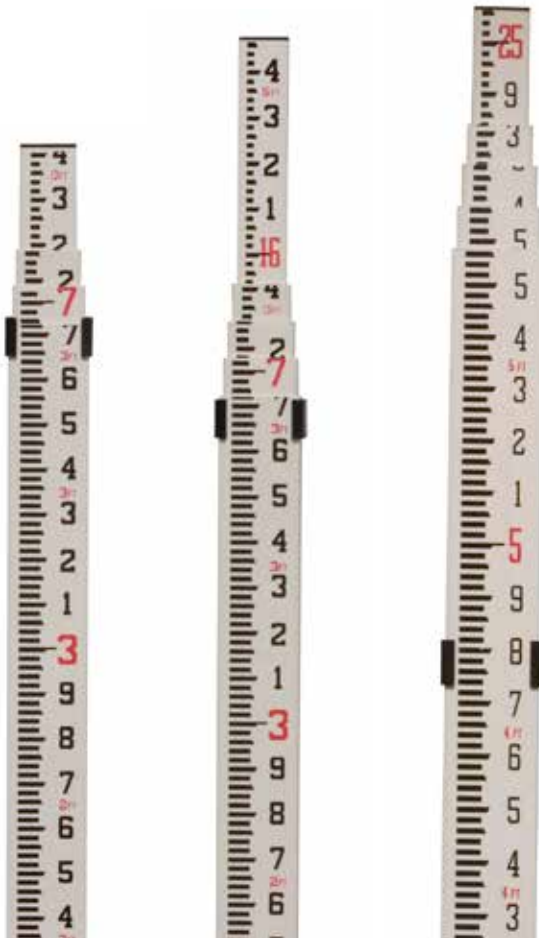
With the added Slope and Plumb indicator, your grading and excavating accuracies are more accurate than ever.

LS-B110W Receiver

The LS-B110W is a receiver that can work with a wireless display. It is loaded with all the same features as the other LS-B units, but perfect for your machines where the sensor is out of view.

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		Approximately 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		Approximately 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.



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

E-Z Read Grade Rods



The rods feature a fixed scale starting at zero and reads how high or how low you are from your zero starting point.

- E-Z READ in inches
- E-Z READ in metric
- E-Z READ in 10ths

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-100D

Display readout on front and back.



LS-80G
Use only with RL-VH4G2.



Remote Control for TP-L5
RC-200



Remote Control for RL-VH4DR
RC-40



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
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-H4C
BT-74Q



**Rechargeable Battery Holder
for RL-H4C**
DB-74C



**Rechargeable Holder
for RL-VH4DR**
DB-70C



Charger for TP-L5 or RL-VH4DR
AD-13 (US)



Charger Adapter for TP-L5
BA-2 Charger



Battery Charger for RL-H4C
AD-15 (US)



Power Cable for TP-L5
PC-17 DC



Vibe Pole for LS-B100
Vibe Pole



Magmount Bracket for LS-B100
Magmount

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www.topconpositioning.com

