

# LN-150



Protect your total station.



Remote Support System  
**TSshield**  
Protect your total station!

	LN-150
List of registered total stations	Basic Features
Google Map view of registered total stations	Basic Features
Online firmware updates	Basic Features
Remote locking and chasing	Basic Features
Total station health checks	Premium Features
Geofence	Premium Features
Timefence	Premium Features
Maintenance schedule and dashboard	Premium Features
Performance analysis and reporting	Premium Features

TSshield protects your Topcon total station investment by keeping you aware of the instrument's location, health and whether the device is being used appropriately. \*This service may not be available in some areas.

### SPECIFICATIONS

Model	LN-150	Model	LN-150
Measuring Range Distance Vertical range	0.9 - 130m *1 +55° to - 30°	Communication	W-LAN 802.11 n/b/g, 100m Bluetooth Class 1, Usable range: to 130m **3
		Power Supply Standard battery Operating time	BDC72 lithium-ion battery Approx. 5 hours (continuous use, at 20 C)
Measurement Accuracy	Distance accuracy: (3.0 + 2ppm X D)mm Angle accuracy : 5"	Dimension	185 (W) x 198 (D) x 322 (H)mm
Auto Leveling Leveling range	+/- 3 degree	Weight	Approx. 4 kg (including battery BDC72)
Inclination Compensation Method Working range	Hydraulic dual-axis inclination sensors +/- 6'	Environmental resistance Operating temperature Storage temperature	-20 - + 50 °C (no condensation) -30 - + 60°C (no condensation)
		Dustproof/Waterproof	IP65
Motor Motion range Maximum rotation speed	360° (Horizontal) 60° / second (10 rpm)	Note: *1 When prism ATP2 or ATP2S is used. Ambient condition: not under severe weather of Rain/Fog/Heat Shimmer *2 No obstacles, few vehicles or sources of radio emissions/interference in the near vicinity of the instrument, no rain *3 Usage range could be shorter depending on specifications of Bluetooth device to communicate.	
Guide Light Light source Visible range	LED (Red 626nm/ Green 524nm) Horizontal > 8° (7m@50m distance)		
Laser Plummet Light source	Light source: Laser diode (Class 2) LED 635nm		



#### Standard Components

- LN-150
- Battery BDC72 2 pieces
- Battery Charger CDC77
- Power cable
- Wiping cloth
- Instruction Manual : Read this first (This sheet)
- Laser caution sign-board
- Carrying case
- Export restrictions card (Be sure to read)



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**Your local Authorized Dealer is:**

# LN-150



# LN-150

Layout Navigator



### Simple & fast layout Navigator

- Easy instrument set up with auto self-leveling.
- Smart phone or tablet application for easy use.
- Hands free operation with Topcon Smart Glass.
- Suitable for diverse indoor and outdoor applications.

# Easy survey operation

## Easy instrument set up with Auto Self-Leveling



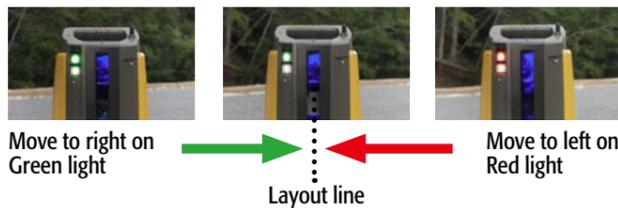
**Speedy stakeout**  
On-screen prism location in real-time thanks to high speed data updates at 20 times per second.



**Easy guidance**  
User-friendly prism re-acquisition with color coded guide light.



**Works anywhere**  
260m diameter range, Maximum vertical angle is +55 degree. It covers the construction site to do layout works.  
\* For Bluetooth connection, please use class 1 Bluetooth devices. Usage range could vary depending on the environment.



**Smart phone is your controller. Only one person can complete 3D survey.**

**TopLayout**  
Basic 3D design data layout and as-built application.  
**Freeware downloadable from Google Play!**

**Anyone can use simple button.**

- Wireless antenna
- Guide light
- Auto leveling switch
- Laser plummet switch
- Operation panel
- Battery
- Wireless LAN selector switch
- Reset switch
- Wireless LED
- Power switch
- Wireless communication method selector switch (Bluetooth/WLAN)

# LN-150



## Multiple software options for productive layout

### MAGNET Field Layout

Discover MAGNET Field Layout software features and benefits:

- Flexible building plan entry
- Intuitive and graphical building layout menus
- Large file format support including DWG
- Fast creation of design points from lines
- Hardware support for conventional and robotic total stations
- Exchange with MAGNET Enterprise, AutoCAD 360, or Bentley ProjectWise



### MAGNET Construct

3D LAYOUT IN THE PALM OF YOUR HAND

- Mobile app for Android and iOS handheld devices
- Built to control robotic total stations, GNSS receivers and Layout navigator
- Longlink technology for a GNSS rover and base connection
- Simple, easy-to-use interface
- Change language and terminology within seconds
- Share files directly via email or through MAGNET Enterprise
- Secure data transfer, both to and from the field



### AUTODESK

**AUTODESK BIM 360 LAYOUT**

#### BIM 360 Layout software construction site layout software

- More accurate and efficient layout and verification
- Use models with robotic total stations for site layout
- Autodesk frequently changes pricing structure. Recommend to delete anything about free or cost.



**Construction layout and verification**  
BIM 360 Layout construction planning software enables contractors to connect the coordinated model to field layout and verification processes.