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)

Optional Accessory

360° prism ATP2

SPECIFICATIONS

Model	LN-150
Measuring Range	
Distance	0.9 - 130m *1
Vertical range	+55° to - 30°
Measurement Accuracy	Distance accuracy: (3.0 + 2ppm X D)mm Angle accuracy : 5"
Auto Leveling	
Leveling range	+/- 3 degree
Inclination Compensation	
Method	Hydraulic dual-axis inclination sensors
Working range	+/- 6'
Motor	
Motion range	360° (Horizontal)
Maximum rotation speed	60° / second (10 rpm)
Guide Light	
Light source	LED (Red 626nm/ Green 524nm)
Visible range	Horizontal > 8° (7m@50m distance)
Laser Plummet	Light source: Laser diode (Class 2)
Light source	LED 635nm
Communication	W-LAN 802.11 n/b/g, 100m Bluetooth Class 1, Usable range: to 130m *2*3
Power Supply	
Standard battery	BDC72 lithium-ion battery
Operating time	Approx. 5 hours (continuous use, at 20 °C)
Dimension	185 (W) x 198 (D) x 322 (H)mm
Weight	Approx. 4 kg (including battery BDC72)
Environmental resistance	
Operating temperature	-20 - + 50 °C (no condensation)
Storage temperature	-30 - + 60 °C (no condensation)
Dustproof/Waterproof	IP65

Note:
*1 When prism ATP2 or ATP2SII 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 com municate.

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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.
- Fast stake out with the real time updating position on the screen.
- 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.

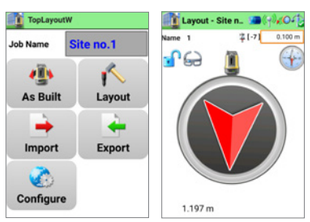
* For Bluetooth connection, please use class 1 Bluetooth devices. Usage range could vary depending on the environment.

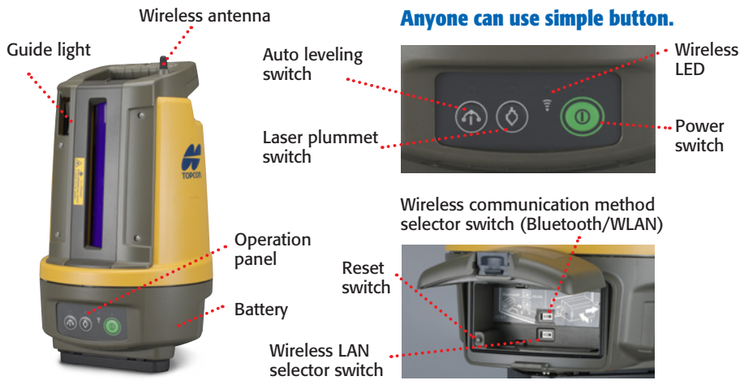
Smart phone is your controller. Only one person can complete 3D survey.

TopLayout

Basic 3D design data layout and as-built application.

Freeware downloadable from Google Play!





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 onstruction 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.