



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

- Specifications may vary by region and are subject to change without notice.  
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**Your Local Authorized Dealer is:**

# 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

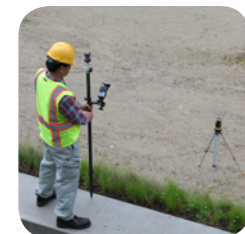
## Easy instrument set up with Auto Self-Leveling



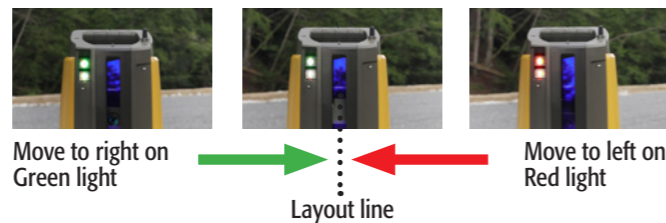
**Speedy stakeout**  
On-screen prism location in real-time thanks to high speed data updates at 20 times per second.



**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!**

**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.