

Layout Navigator (LN-100)

The world's first 3D positioning solution designed specifically for construction layout. The Layout Navigator is a 3D positioning device specifically designed for construction layout activities.

- Simple 3D Laser Positioning
- One-man operation
- Self-leveling
- Wireless, license-free communication
- Android phone or tablet controlled
- Easy one-button setup



[View Video](#)

The Layout Navigator (LN-100) is a revolutionary layout tool design based on simplicity. The LN-100 provides a jobsite 3D positioning for all your construction layout needs. Topcon has blended the technology used for self leveling lasers and robotic total stations into LN-100. The perfect tool for layout.

The setup of the instrument is so simple that the real innovation is in the user interface. A colorful touch screen tablet controller that can display simple point layout or large CAD drawings, is in your hand anywhere on the project site. Simply see the design point or line that needs to be staked out, touch it, and the LN-100 immediately points to the location. The LN-100 locks onto the prism and instructs the user which way to move to layout the new design point.

Layout anything on the job site within +/-3mm. Walls, ceilings, and floor location layout can all be mastered with the LN-100.

Rugged and compact, the LN-100 is tough enough to be used in nasty construction environments. The measurement technology is all enclosed, with a simple one grip handle. Place the LN-100 anywhere and get started. The controller interface will guide you step by step through the setup process. Use existing control points to quickly setup. Or establish new control to base all the remaining work.

Complete Solution

The LN-100 is one part of a complete Layout Solution. Whether you are starting from paper plans or CAD models, this package is ideal for you to do your own construction layout and as-building.

Recommended System

- (1) LN-100, w/360 degree prism.
- (1) Tesla Controller, w/Pole bracket
- (1) MAGNET Field Software
- (1) MAGNET Office Software
- Field Pole, batteries, carrying case.



LN-100	
Positioning Accuracy	
Measurement Range	0.9m – 100m (3 ft. – 328 ft.)
Positioning Accuracy	±3mm
Vertical Coverage	±25° up to 22m range (72 ft.) ±10m height, 22 - 100m range (72 ft. – 328 ft.)

Horizontal Rotation	360°
Guide Light	Range : ~100m V : ±12°, H : 8°
Hardware	
Laser plummet	Integrated
Auto Leveling	Self leveling (±3°) LED indicators for leveling
Communication	Wireless 802.11n/b/g
LED Indicators	Power, Battery Level, Self-leveling, and Communication
Working Duration	5 Hours (1 battery)
Physical	
Dust/Water Protection	IP65
Dimensions	185 x 196 x 295mm
Weight (including batteries and antenna)	~ 4kg (8.8 lbs.)

Preliminary specifications may be subject to change.