



LN-150
3D LAYOUT NAVIGATOR





3D Construction Layout Tool

- Building interiors
- Mechanical, Electrical, Plumbing
- Foundations and footings
- Utilities and general layout
- Construction layout

The world's first 3D positioning system designed for construction layout just got better

The first time you see it you know it's unlike anything you've experienced before. Everything about the LN-150, from the advanced technology inside, to its clean and innovative design, is a game changer for layout. With Topcon time-proven and robotic total station technologies, the instrument offers a totally new tool that's easy to use, without sacrificing the accuracy and versatility needed for all types of construction layout.

With the press of just one button, the LN-150 automatically self-levels and is ready for action. Fire-up its hand-held, touchscreen controller and you are ready to go to work.

With a ruggedized field controller, call up simple point layout or large CAD drawings — right in the palm of your hand, anywhere on the job site. Display the design point or line that needs to be staked out, touch it, and the LN-150 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 130 m away. Never before has construction layout been so powerfully simple.

3D layout tool

The LN-150 is a compact, self-leveling, easy-to-setup 3D layout tool designed for construction applications. Use the LN-150 in place of traditional methods such as tapes or other layout tools. Compact, rugged and light weight, the LN-150 is ideal for construction layout and as-builts.



Building Information Modeling (BIM)

Maintain coordination throughout your projects. Knowing what was done before and working from the same design plan is critical to keep on schedule and avoid costly collisions. With Topcon BIM solutions, you stay connected to the same design.



Accuracy	
Range	0.9 m – 130 m
Distance Accuracy	±3 mm
Vertical Range	+55° to -30°
Horizontal Rotation	360°
Hardware	
Laser Plummet	Integrated
Auto Leveling	Self leveling (6°) LED indicators
Communication	Bluetooth® Class 1 LongLink™ Wi-Fi 802.11 b/g/n @ 2.4 GHz
LED Indicators	Power, battery level, communication, and self-leveling
Working Duration	5 Hours (1 battery)
Physical	
Dust/Water Rating	IP65
Dimensions	185 x 198 x 322 mm
Weight	~ 4 kg (including batteries and antenna)
Services	
TSshield®	Theft lockout, geofencing, time fencing, calibration reminder

Key Components

- LN-150 3D Layout Navigator
- New BDC72 batteries and CDC77 battery charger offer improved working duration
- Carrying case
- TSshield® for theft deterrence and location tracking



Rugged compact design

- Small and lightweight
- Waterproof – dustproof design
- Easy to carry
- Completely sealed housing

Easy setup and operation

- On the ground or decking
- Mounts on tripod or column clamp
- Automatic self-leveling
- Alerts user if disturbed

Advanced 3D measuring and layout

- Built-in wireless or Bluetooth communication connectivity
- 130 m working range
- Automatically turns to layout points
- Tracks a standard prism

Easy to perform as-built checks

- Fast and accurate
- Reliable quality control
- Identify changes from original plans
- Ensure accurate record keeping



For more information:
topconpositioning.com/ln-150

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