

Topcon LN-160

3D Layout Navigator



Simple, Precise, Durable
Layout Navigation



Learn more at topconpositioning.com





3D positioning system designed for construction layout

The LN-160 makes construction layout easier than ever, combining cutting-edge technology with user-friendly design. Powered by Topcon's trusted robotic total station tech, it delivers the precision you need for layout tasks of all kinds – without overcomplicating things.

With a simple press of a button, the LN-160 self-levels and gets to work. Pair it with a rugged tablet or handheld controller, and you can access point layouts or CAD drawings right on-site. Just select your design point or line, and the LN-160 guides you exactly where you need to go, saving you time and effort.

Designed for one-person operation, its prism-lock feature keeps you on track, while the new external battery connector ensures you have the power to tackle even the longest jobs. Less downtime, more results.

Whether you're a seasoned pro or just looking for a reliable layout solution, the LN-160 delivers the accuracy, efficiency, and simplicity that today's job sites demand.

- » Building interiors
- » Mechanical, electrical, plumbing
- » Foundations and footings
- » Utilities and general layout
- » Construction layout

The LN-160 supports a wide range of layout tasks, including utility lines, foundations, walls, ceilings and more, with precision. With a range of up to 130 meters, it simplifies complex layouts while providing reliable results. Tackle any construction task with ease – no guesswork, just accuracy you can trust.



- 1 Interference-free communications
- 2 Easy-grip carrying handle
- 3 High-visibility guide lights
- 4 Completely sealed waterproof and dustproof housing
- 5 LED indicators and bright laser plummet
- 6 External power port
- 7 Easy, one-button setup
- 8 Self-leveling base

3D layout tool

The LN-160 is a compact, self-leveling 3D layout tool that helps you boost productivity on construction sites. It replaces tape measures and manual calculations with precise, efficient solutions. Lightweight, durable, and easy to use, it's perfect for layouts and as-builts, saving time and effort.

Seamless Integration with Machine Control Solutions

The LN-160 delivers accurate 3D positioning for layout work, works seamlessly alongside your Machine Control solutions like excavators and compact track loaders. Its self-leveling design replaces traditional tools, streamlining construction processes with precision and efficiency. Built for modern job sites, the LN-160 simplifies your workflow and helps you get more done.



Intuitive, Self-leveling Robotic Total Station



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 (426 ft) working range
- Automatically turns to layout points
- Tracks a standard and 360° prism



Easy to perform as-built checks

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

Key Components

- » LN-160 3D Layout Navigator
- » 2x BDC72 batteries and CDC77 battery charger offer a full day working duration
- » External power port enables a longer and continuous operation
- » Carrying case
- » Seamless cloud-connected workflows with Autodesk, Bentley, and Topcon software
- » Rugged tablet, Topcon Field software, tripod and pole are optional



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