

TOPCON DIGITAL LAYOUT FOR LN-150

COURSE OUTLINE



Solutions Store

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This course teaches the fundamental skills necessary for a user to become productive using MAGNET Field Layout and an LN-150 for layout/stakeout on a jobsite. Please bring your fully charged LN-150/100 and data collector.

All training is done step by step, button click for button click with a data collector in hand. Practical application on actual setup and usage of data collector and total station is done with either our office training file or we can utilize your file to simulate real time use.

The LN training will cover every question and application you will need to quickly and accurately utilize your equipment to its fullest potential. We find most customers are not completely utilizing the potential of their equipment and this training brings out the **“wow I wish I knew that a year ago”** comments.

Prerequisite: None

Course Length: 1 day

- Setting up data collector to be tailored to your individual use/needs. Setup “shortcuts”, tips and tricks and ease the workflow on layout crew.
- Create Job files/Plans that will be your road map to your job use. Importing predetermined plans(files) from engineers/3rd party companies to use on site.
 - Importing, scaling and rotating PDF drawing files for layout purposes from office to data collector.
 - Importing and managing data from multiple file types such as .dwg, .dxf, .xml, .tp3, .csv, .txt. and many more.
- Understanding the correct and accurate way to start a job with the correct instrument setup and orientation procedure.
- Create offset points in the software or physical existing points/objects on the ground to setup your LN layout instrument.
- Go over Setup of instrument using functional methods such as Backsights, Resections, Benchmark and reference line resections.
- Setup “quick codes” for as built (data/point recording) as well as data export to send to office, personal records or external party.
- Layout procedures for lines, points, roads, elevations
- Best practices/tips and tricks for keeping instrument tracking your prism.
- Creating points on the fly from either predetermined points on the ground or entities on the plan.
- Verifying accuracy of instrument setup, and layout by verifying data given to you by the Magnet Field Layout software as well as quick inverse between points.

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