



# Leica DISTO S910 Laser Distance Meter

For measurements that play hard to get



Measure fast and precise distances between any two points from one location with the Leica DISTO™ S910 laser distance meter. Easily create as built documentation, calculate roof dimensions and integrate data into BIM or CAD software to create 3D visualizations. This improved workflow saves valuable time and money – all this at a range of up to 300 m.

The Leica DISTO S910 is the first LDM that captures multiple, accurate measurements in three dimensions from a single location, radically improving the efficiency of common measuring tasks.

## SmartBase

Smart Base -- a biaxial pivot integrated with the circuit board -- is the key hardware innovation. Combined with a more powerful laser, a 360° tilt sensor, and new software --SmartBase enables the S910 to measure the distances and angles between multiple points.

## SmartBase facilitates three new remote measurement functions:

- Point to Point (P2P): Measure the tie distance between two points, even if you are hundreds of feet from your target. Shoot Point 1 then Point 2 and the S910 displays the distance between them. Widths, heights, diagonals, gaps, it doesn't matter: Just measure the start and end point and the distance is displayed.
- Smart Area: Shoot the corners of any polygon to determine the area of walls, floors, even complex roof shapes.
- Smart Angle: Shoot three points to measure any angle (including outside angles, which is a first).

## Use a Tripod

For maximum accuracy the SmartBase requires a simple level check. This guarantees the electronic level of the S910 is within  $\pm 0.1^\circ$  of true level. For the highest measuring accuracy you will want to use a tripod for the majority of P2P, Smart Angle and Smart Area functions. The S910 includes a metal insert for a 1/4" tripod thread, found at the bottom of the SmartBase (and a 5/8" adaptor is available).



## FTA 360-S Tripod Adaptor

Even with a tripod and outdoor pointfinder camera, placing your laser point exactly where you want it can be challenging, especially at longer distances. The FTA 360-S is a micro-adjustable tripod adaptor. Point and shoot to get close, then tweak the knobs ever so slightly to adjust your spot by millimeters.

(A package with an S910, and FTA-S and a TRI-70 tripod is available here.)

## Capture and Export Measurement Data

The S910 connects to compatible mobile apps with Bluetooth and exports DXF files over WiFi.



## Technical Specifications

| Part Number                            | Description          |
|--|----------------------|
| Typ. distance measuring accuracy       | ± 1.0 mm             |
| Range                                  | 0.5 up to 300m       |
| Measuring units                        | m, ft, in            |
| X-Range Power Technology               | yes                  |
| Distance in m                          | 10, 50, 100m         |
| Ø of the laser dot in mm               | 6, 30, 60mm          |
| Tilt sensor                            | yes                  |
| Tilt sensor accuracy to the laser beam | -0.1°/+ 0.2°         |
| Tilt sensor accuracy to the housing    | ± 0.1°               |
| Units in the tilt sensor               | 0.0°, 0.00 % mm/m    |
| Smart Base measuring range             |                      |
| Horizontal                             | 360°                 |
| Vertical                               | -40° to 80°          |
| Distance in m                          | 2, 5, 10m            |
| Typ. tolerance of the P2P function     | ± 2, 5, 10mm         |
| Levelling range                        | ± 5°                 |
| Pointfinder with zoom                  | 4 ×                  |
| Additional overview camera             | yes                  |
| Picture file format                    | .jpg                 |
| Memory for pictures                    | 80                   |
| CAD data format on device              | .dxf                 |
| Memory for CAD files on device         | 20 files x 30 points |
| Memory for last measurements           | 50                   |
| Display illumination                   | yes                  |
| Free software for Windows®             | yes                  |
| Free App for iOS and Android           | yes                  |
| General data interface                 | Bluetooth® Smart     |
| Data interface for 3D point data       | WLAN                 |
| Measurements per set of batteries      | up to 4,000*         |
| Service life of batteries              | up to 8 h*           |
| Multifunctional endpiece               | pin                  |
| Tripod thread                          | 1/4"                 |
| Batteries                              | Li-Ion rechargeable  |
| Charging time                          | 4 h                  |
| Protection class                       | IP54                 |
| Dimensions                             | 164 x 61 x 32mm      |
| Weight with batteries                  | 290 g                |

\*Reduced when used with Bluetooth® or WLAN

## Packing List

|   |
|---|
| DISTO S910  |
| Carrying pouch                                    |
| Wrist Strap                                       |
| Smart Base extension                              |
| USB charger with USB cable and 4x country adapter |
| Quickstart guide                                  |



## Leica DISTO S910 'When it needs to be Right ... refer to Leica Solutions



### Leica DISTO S910 Shown with SmartBase

A pivotal base and stand, integrated with the circuit board, to allow measurement between two points for distance and angle.



### Multiple charging options

Whether you are measuring across town or across the world the Leica S910 offers different charging options to keep you ready for that next job.



### Accuracy & Range Standards

This standard sets benchmarks for range and accuracy of laser distance meters. Only Leica LDMs meets these tough standards, not only in the lab but outstanding performance on the jobsite.



### Tripod Adapter FTA 360-S

With the addition of an adjustable tripod adapter (FTA 360-S) and traditional tripod this unit can be used on any terrain and any conditions...period!

