

## Leica D810 Touch

# Leica DISTO D810 Touch Laser Distance Measurer User Manual

Your comprehensive guide to operating and maintaining your precision laser measuring device.

## 1. PRODUCT OVERVIEW

The Leica DISTO D810 Touch is a state-of-the-art laser distance measurer designed for professional use. It features 15 measurement modes, ensuring high accuracy up to 1/16th of an inch over a range of 660 feet. Equipped with an intuitive touch screen, an integrated digital camera, a tilt sensor, and Bluetooth Smart connectivity, it streamlines various measurement tasks. Its unique 'Measure in Picture' (MIP) technology allows users to determine dimensions of objects directly from a photo taken by the device, making complex measurements simple and efficient.





Front view of the Leica DISTO D810 Touch, showcasing its display with multiple measurement readings and control buttons.

## 2. KEY FEATURES

- **Class II Laser:** Contains a Class II Laser with 1mW output for safe and effective operation.
- **High Accuracy:** Achieves 1/16" accuracy up to 820 ft measuring range.
- **Comprehensive Package:** Includes the D810 touch unit, nylon black holster, hand loop, USB charger with 4 plugs, and USB cable.

- **Point Finder Camera:** Features a 4X Zoom & Onscreen Targeting Cross Hair, capable of measuring up to 650ft indoors or outdoors, especially useful when the laser point is not visible.
- **Durable Design:** IP54 Certified Dust & Splash Protected, ensuring reliability in various working conditions.
- **Smart Connectivity:** Equipped with Bluetooth Smart V4.0 for seamless data transfer.
- **Rechargeable Battery:** Powered by a rechargeable Li-ion Battery for extended use.
- **Multiple Measurement Units:** Measures in Feet, Inches, Decimal Feet, Decimal Inches, and Meters to 4 decimal points or less.

### 3. PACKAGE CONTENTS

Upon unboxing your Leica DISTO D810 Touch, please ensure all the following items are present:

- Leica DISTO D810 Touch Laser Distance Measurer Unit
- Nylon Black Holster
- Hand Loop
- USB Charger (including 4 regional plugs)
- USB Cable

## 4. SETUP

### 4.1 Battery Installation and Charging

The Leica DISTO D810 Touch uses a rechargeable Li-ion battery. Before first use, fully charge the device using the provided USB charger and cable. Connect the USB cable to the device and the charger, then plug the charger into a power outlet. The charging indicator on the device will show the charging status.

### 4.2 Initial Power On

To power on the device, press the **ON/DIST** button. The display will illuminate, and the device will be ready for use. To power off, press and hold the **OFF** button.

### 4.3 Bluetooth Pairing

The D810 Touch features Bluetooth Smart V4.0 for data transfer to compatible applications. To pair:

1. Ensure Bluetooth is enabled on your smartphone or tablet.
2. On the DISTO D810 Touch, navigate to the Bluetooth settings (refer to the on-screen menu).
3. Select 'Pair Device' or similar option.
4. On your smartphone/tablet, search for available Bluetooth devices and select 'Leica DISTO D810'.
5. Follow any on-screen prompts to complete the pairing process.

## 5. OPERATING INSTRUCTIONS

### 5.1 Basic Distance Measurement

To take a single distance measurement:

1. Point the laser at the desired target.
2. Press the **ON/DIST** button once. The laser dot will appear.
3. Press the **ON/DIST** button again to take the measurement. The result will be displayed on the screen.

### 5.2 Advanced Measurement Modes

The D810 Touch offers various advanced functions accessible via the **FUNC** button or touch screen menu:

- **Area/Volume Measurement:** Take two measurements for area (length, width) or three for volume (length, width, height). The device automatically calculates the result.
- **Measure in Picture (MIP):** Use the integrated camera to take a photo. Then, use the on-screen pointers to define the object's dimensions (e.g., height, width, diameter) within the picture. The device calculates the dimensions remotely.
- **Indirect Measurement (Pythagoras):** Measure distances indirectly using the Pythagorean theorem, useful for inaccessible points.
- **Smart Horizontal Mode:** Measures horizontal distances even if obstacles block the direct line of sight, using the tilt sensor.
- **Height Tracking:** Continuously measures heights from a fixed point.

Your browser does not support the video tag.

Official product video demonstrating the features and applications of the Leica DISTO D810 Touch laser distance measurer in a construction environment.

## 6. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your Leica DISTO D810 Touch:

- **Cleaning:** Use a soft, damp cloth to clean the device. Never use harsh chemicals or abrasive cleaning agents. The optical components (laser lens, camera lens) should be cleaned with a soft, lint-free cloth, similar to cleaning camera lenses.
- **Storage:** Store the device in its protective holster in a cool, dry place when not in use. Avoid extreme temperatures and direct sunlight.
- **Battery Care:** Fully charge the battery before long periods of storage. If storing for extended periods, charge the battery every few months to maintain its health.
- **Avoid Drops:** While robust, avoid dropping the device, especially on hard surfaces, as this can affect its calibration and internal components.

## 7. TROUBLESHOOTING

If you encounter issues with your Leica DISTO D810 Touch, refer to the table below for common problems and

solutions:

Problem	Possible Cause	Solution
Device does not power on	Low or depleted battery	Charge the battery fully.
Inaccurate measurements	Dirty laser lens/camera, unstable surface, extreme temperature changes, target surface not reflective enough	Clean lenses. Ensure stable measurement. Allow device to acclimate to temperature. Use a target plate for difficult surfaces.
Bluetooth connection issues	Device not in pairing mode, Bluetooth off on connected device, interference	Ensure pairing mode is active. Check Bluetooth settings on external device. Move away from sources of interference.
Laser dot not visible outdoors	Bright ambient light	Use the Point Finder camera with 4x zoom for targeting. Consider using a target plate.

## 8. TECHNICAL SPECIFICATIONS

Specification	Value
Brand	Leica
Model	D810 Touch
Measuring Range	650 feet (up to 820 ft with optimal conditions)
Measurement Accuracy	1mm or better than 1/16"
Laser Class	Class II (1mW output)
Connectivity	Bluetooth Smart V4.0
Ingress Protection (IP) Rating	IP54 (Dust & Splash Protected)
Battery Type	Rechargeable Lithium-Ion
Product Dimensions	6.45"L x 2.4"W x 1.22"H
Item Weight	10.4 ounces (295 Grams)
Color	Red/Black
Material	Plastic with Rubber Overmolding
Magnification (Point Finder)	4x

## 9. WARRANTY AND SUPPORT

- **Warranty:** The Leica DISTO D810 Touch comes with a 2-year replacement/exchange warranty in case of any manufacturer defects. This warranty can be extended to 3 years if the product is registered within 8 weeks of purchase.
- **User Manual (PDF):** For a detailed PDF version of the user manual, please refer to the official document available at:  
<https://manuals.plus/m/4a2400458c04e07f05af0ab5572b6fa917e068fca5c5492660b0a3889a046a09>
- **Customer Support:** For further assistance, technical support, or warranty claims, please contact Leica customer service through their official website or authorized service centers.