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Leica Disto X6-1-P2P

Leica DISTO X6 Laser Distance Measure User Manual

Model: Disto X6-1-P2P

Brand: Leica Geosystems

1. INTRODUCTION

The Leica DISTO X6 is a robust and versatile laser distance measurement device designed for reliable measurements even under challenging construction site conditions. This package includes the DISTO X6 unit, DST360X adapter, tripod, carry case, and charging cable, providing a comprehensive solution for various measurement tasks.



Figure 1: Complete Leica DISTO X6 Point to Point Package, including the laser distance measure, DST360X adapter, tripod, carry case, and charging

2. KEY FEATURES

- **800 ft Measuring Range:** Capable of measuring distances up to 800 feet with touchless measurement trigger technology.
- **Built-in Pointfinder Camera:** Allows for precise targeting and measurement up to 40 times further than visible laser dot in bright sunlight.
- **Bluetooth Data Transfer:** Seamlessly transfer measurements to the Disto Plan app and other compatible applications.
- **Various Measurement Functions:** Includes Smart Horizontal Mode for measuring over obstacles, height tracking, profile, and angle measurements.
- **Point to Point (P2P) Remote Measuring:** Achieved with the DST360 accessory adapter and tripod, enabling 2D and 3D measurements of inaccessible areas.
- **Robust Design:** Features an extremely robust housing and rubber components for protection against drops from heights up to 2 meters.
- **IP65 Protection:** Certified for dust and jet-water protection, ensuring durability in harsh environments.
- **Scratch-Resistant Display:** IPS technology color display designed for construction site use.
- **Ergonomic Operation:** Includes a side-mounted lateral measuring button for comfortable use in any situation.



Figure 2: Leica DISTO X6 highlighting key features such as the accredited optics, USB-C charging, scratch-resistant IPS display, fine adjustment knob, robust IP65 housing, and the Leica DST 360-X adapter.

3. SETUP

1. **Charging the Device:** Connect the DISTO X6 to a power source using the provided USB charging cable. Ensure the device is fully charged before first use.
2. **Attaching the DST360X Adapter:** For Point to Point (P2P) measurements, securely attach the DISTO X6 to the DST360X adapter.
3. **Mounting on Tripod:** Mount the DST360X adapter with the DISTO X6 onto the TRI120 tripod for stable and precise aiming. The intelligent sensors of the adapter work with the DISTO X6 for accurate measurements.

4. OPERATING INSTRUCTIONS

4.1 Basic Measurement

- **Power On:** Press the power button (usually marked with c/o or power symbol) to turn on the device.
- **Targeting:** Use the built-in Pointfinder Camera to accurately aim at your target. The 4x zoom allows for clear visibility even at long distances or in bright conditions.
- **Measuring:** Press the 'ON DIST' button to take a measurement. The result will be displayed on the large touchscreen.
- **Ergonomic Operation:** Utilize the side-mounted measuring button for convenient and ergonomic operation in various measuring situations.

4.2 Advanced Measurement Functions

- **Smart Horizontal Mode:** Measure horizontal distances even when obstacles are in the line of sight.
- **Height Tracking:** Determine heights of objects or points.
- **Profile and Angle Measurements:** Perform complex measurements for profiles and angles.
- **Point to Point (P2P) Technology:** When used with the DST360X adapter and tripod, the P2P technology allows for safe and efficient measurement of distances between points, lines, or even complete measurements in 2D and 3D, especially in inaccessible areas.



**Medición de áreas inaccesibles
Tecnología P2P**

Figure 3: Example of the Leica DISTO X6 utilizing P2P technology to measure inaccessible areas, demonstrating its capability for remote and complex measurements.

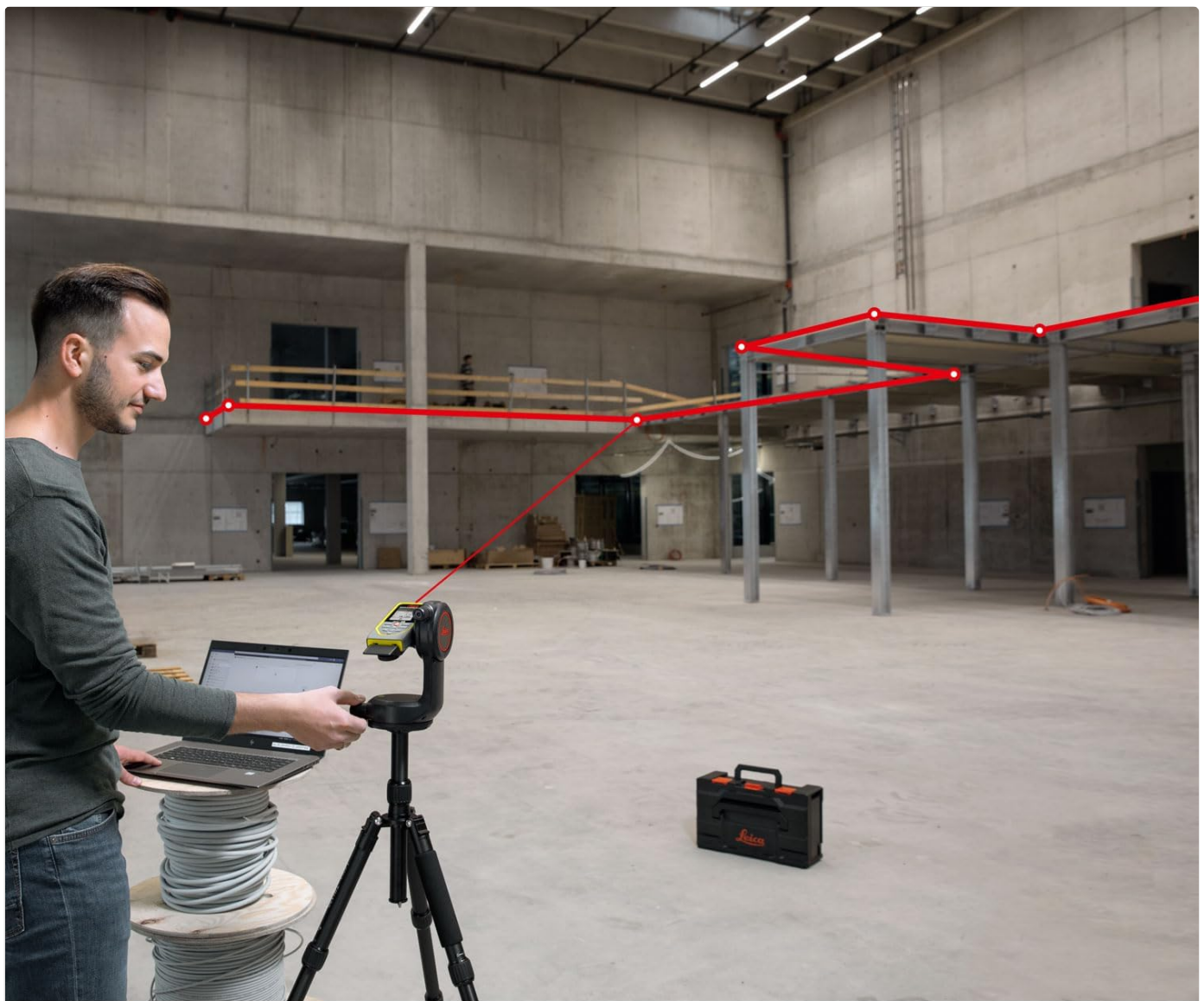


Mediciones P2L - Medición de puntos en relación con líneas de referencia

Figure 4: Illustration of the Leica DISTO X6 performing P2L (Point to Line) measurements, showing how it can measure points in relation to reference lines.

4.3 Data Management

- **Saving Measurements:** The DISTO X6 can save up to 300 measurement results, including associated photos for better context.
- **Downloading Data:** Measurements can be downloaded to a computer via the USB interface for further processing.
- **Leica DISTO™ Plan App:** Use the Leica DISTO™ Plan App to digitally document and visualize measurement results in 2D or 3D. The app also allows for direct export of DXF data for further processing in CAD software.



Captura de datos 2D y 3D para CAD Tecnología P2P y aplicación DISTO Plan

Figure 5: The Leica DISTO X6 in use with the DISTO Plan app, demonstrating 2D and 3D data capture capabilities for direct integration into CAD software.

5. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Protection:** The device features an IP65 protection rating, making it resistant to dust and jet-water. Its robust housing and rubber components protect against drops from up to 2 meters.
- **Storage:** Store the device in its provided carry case in a dry, cool place when not in use.

6. TROUBLESHOOTING

For specific troubleshooting steps, please refer to the official Leica Geosystems support documentation or contact customer service. Common issues may include:

- **Measurement Errors:** Ensure the target surface is suitable and the device is stable. Check for obstructions.
- **Connectivity Issues:** Verify Bluetooth is enabled on both devices and that the Leica DISTO™ Plan App is up to date.

- **Battery Life:** Ensure the device is fully charged. Lithium Polymer batteries are included and required.

7. SPECIFICATIONS

Attribute	Value
Brand	Leica
Model Number	Disto X6-1-P2P
Measuring Range	0.05 - 250 m / 0.07 - 820 ft
Laser Class	CLASS 2 LASER .9mW - Wavelength 635nm
Are Batteries Included	Yes
Battery Type	Lithium Polymer (1 required)
Color	Yellow, Gray
Material	Plastic
Item Weight	11 pounds
Product Dimensions	11.61"L x 6.29"W x 19.48"H
Included Components	Disto X6 - DST360X - TRI120, USB charging cable - Metabox, Pouch and hand loop, Calibration certificate
Protection Rating	IP65 (Dust and Jet-Water Protection)



Figure 6: Detailed view of the Leica DISTO X6, illustrating its dimensions and some key technical specifications like measurement range, accuracy, and Bluetooth connectivity.

8. WARRANTY AND SUPPORT

The Leica DISTO X6 comes with a **4-year warranty** upon registration within 8 weeks of purchase. For detailed warranty information, technical support, or service inquiries, please visit the official Leica Geosystems website or contact their authorized service centers.

You can also visit the Leica Store on Amazon for additional product information and resources.