

MiLESEEY DP20

MiLESEEY DP20 Bilateral Laser Distance Meter: User Manual

Model: DP20 | Brand: MiLESEEY

1. INTRODUCTION

The MiLESEEY DP20 Bilateral Laser Distance Meter is a professional-grade measuring tool designed for accuracy and efficiency in various applications. This device features patented coaxial optical technology, multiple measurement functions, and a durable design, making it suitable for both professional and DIY use. This manual provides comprehensive instructions for its safe and effective operation.



Figure 1: MiLESEEEY DP20 Bilateral Laser Distance Meter

2. SAFETY INFORMATION

Please read and understand all safety instructions before using the device. Failure to follow these instructions may result in laser radiation exposure, electric shock, fire, or serious injury.

2.1 General Safety

- Keep the device out of reach of children.
- Do not attempt to modify or disassemble the device. Repairs should only be performed by authorized personnel.
- Avoid using the device in explosive atmospheres or near flammable materials.
- Protect the device from extreme temperatures, moisture, and strong vibrations.

2.2 Laser Safety

WARNING: This product emits Class 2 laser radiation. Avoid direct eye exposure to the laser beam.

- Do not stare directly into the laser beam.
- Do not point the laser beam at people or animals.
- Do not use optical instruments (e.g., binoculars, telescopes) to view the laser beam.
- Ensure the laser is switched off when not in use.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- MILESEEEY DP20 Bilateral Laser Distance Meter x1
- Hard Case x1
- Type-C Charging Cable x1
- User Manual x1
- Hand Strap x1

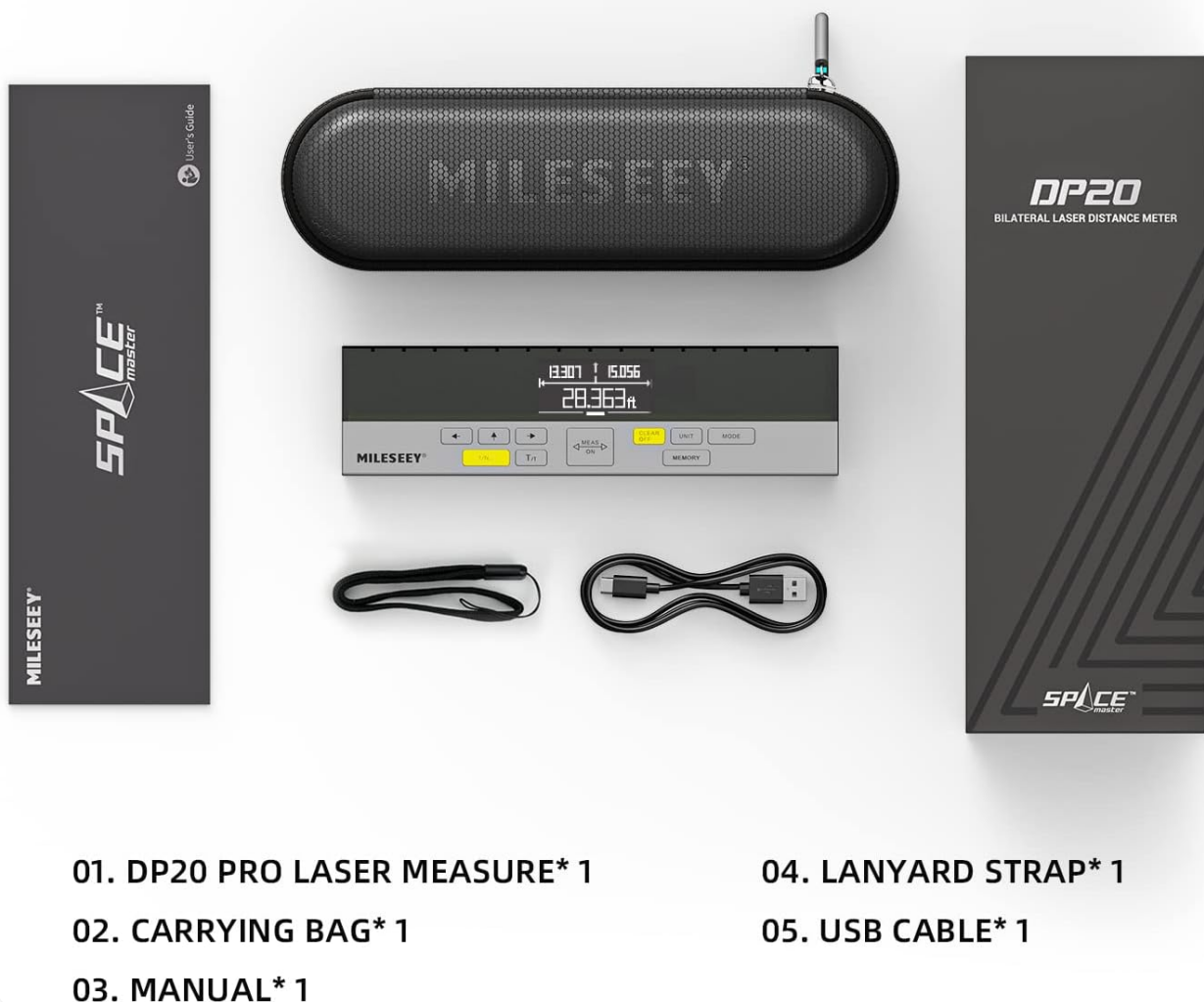


Figure 2: Contents included in the DP20 package

4. PRODUCT OVERVIEW

The MiLESEEEY DP20 is engineered for precision and ease of use. Key features include:

- **Bilateral Measurement:** Allows measurement between two points from any position along the measurement line, significantly speeding up tasks.
- **Patented Coaxial Optical Technology:** Ensures both laser beams share a common geometric axis, eliminating measurement inaccuracies.
- **Multiple Measurement Functions:** Includes single, continuous, area, volume, automatic horizontal/vertical height, and line segment division.
- **OLED Display with Big Text Mode:** Provides clear readability of measurements, even in challenging lighting conditions.
- **Durable and Compact Design:** Made from aerospace-grade magnesium-aluminum alloy, offering robustness and a comfortable grip.
- **Rechargeable Battery:** Integrated 1000mAh lithium battery with USB-C charging for extended use.

4.1 Components and Display

Familiarize yourself with the device's components and display interface.

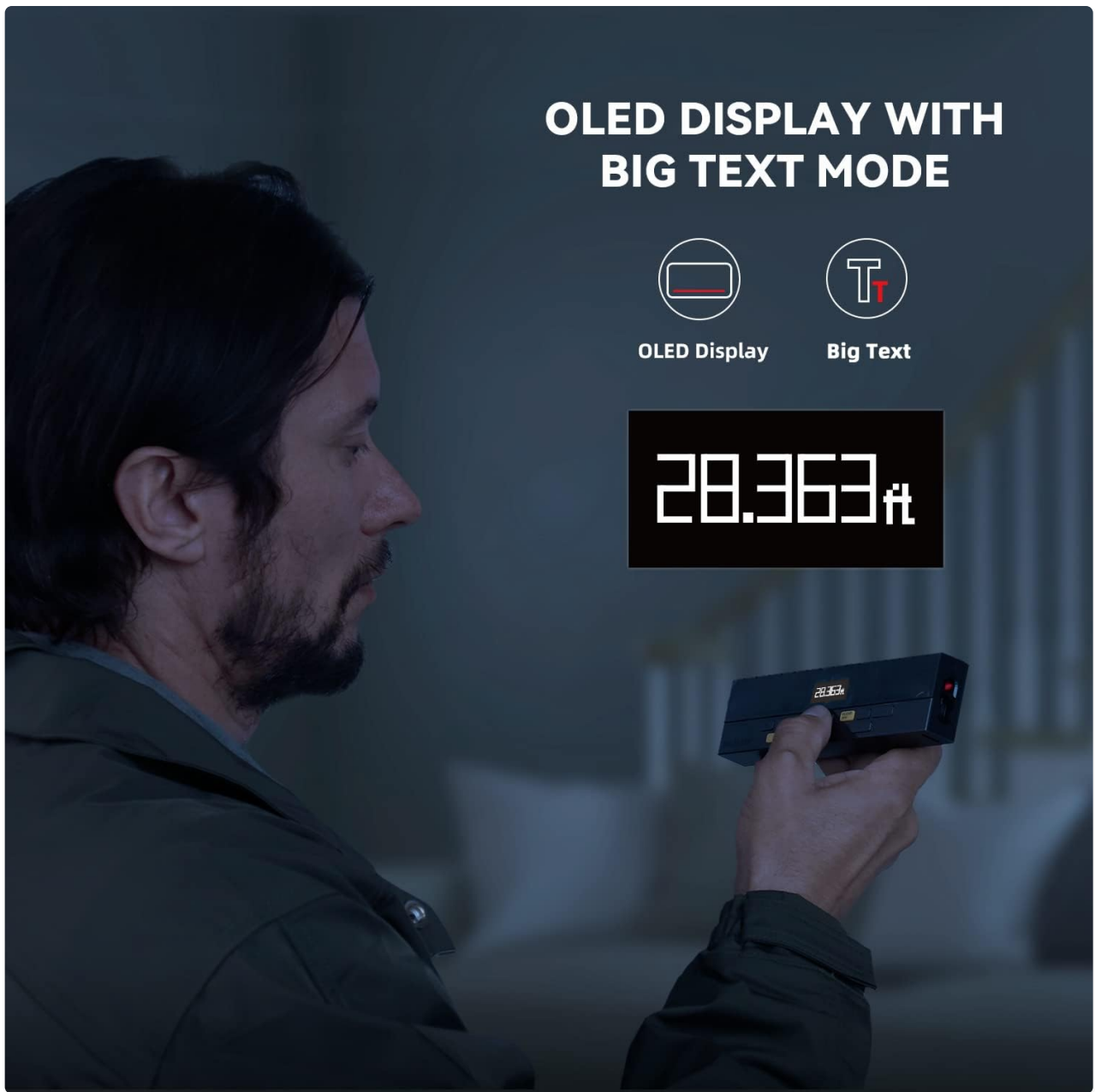


Figure 3: Clear OLED Display with Big Text Mode for enhanced readability.

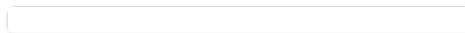


Figure 4: Illustration of the patented coaxial optical design for precise measurements.

5. SETUP

5.1 Charging the Battery

The DP20 comes with a built-in 1000mAh lithium battery. Before first use, fully charge the device using the provided Type-C charging cable.

1. Connect the Type-C cable to the charging port on the device.
2. Connect the other end of the cable to a USB power adapter (not included) or a computer USB port.
3. The battery indicator on the display will show charging status. A full charge typically takes about 2 hours.

RECHARGEABLE BATTERY



1000mAh lithium
battery



2h to fully
charge



Measurement up
to 20,000 times



USB-C
Port



Figure 5: Charging the DP20 via USB-C port.

5.2 Power On/Off

- To power on, press the **MEAS** button.
- To power off, long-press the **CLEAR/OFF** button. The device will also automatically power off after a period of inactivity to conserve battery.

6. OPERATING MODES

The DP20 offers a variety of measurement modes to suit different needs. Use the **MODE** button to cycle through the available functions.

6.1 Single and Continuous Measurement

For basic distance measurements.

1. Press the **MEAS** button once for a single measurement.
2. Long-press the **MEAS** button to enter continuous measurement mode, which also displays minimum and maximum distances. Press **MEAS** again to stop.

6.2 Bilateral and One-Way Measurement

The DP20 allows switching between bilateral (two-way) and one-way laser measurement.

1. Use the dedicated button (often labeled **T/R** or similar, refer to device markings) to switch between bilateral and one-way laser modes.
2. Bilateral mode measures the distance between two points by positioning the device anywhere along the line.
3. One-way mode measures from the device to a single target point.



Figure 6: Demonstrating one-way and two-way measurement capabilities.

6.3 Area and Volume Measurement

To calculate area or volume:

1. Select the Area or Volume mode using the **MODE** button.

2. Follow the on-screen prompts to take the required number of measurements (e.g., length and width for area; length, width, and height for volume).
3. The device will automatically calculate and display the result.

6.4 Pythagorean Measurement

For indirect measurements of height or distance where direct measurement is not possible.

1. Select the Pythagorean mode using the **MODE** button.
2. Follow the on-screen prompts to take the necessary measurements (e.g., hypotenuse and one leg for height).
3. The device will calculate and display the unknown dimension.

6.5 Line Segment Division (Staking Out)

This function divides a line segment into equal smaller segments, useful for tasks like installing multiple items at consistent intervals.

1. Enter the Line Segment Division mode (often labeled **1/N**).
2. Set the number of desired segments (N).
3. Measure the total length of the line. The device will then guide you to the division points.

AUTO LINE SEGMENT DIVISION & MEASURING

Enable more efficient and precise staking out in situations where you need to place objects at consistent interval

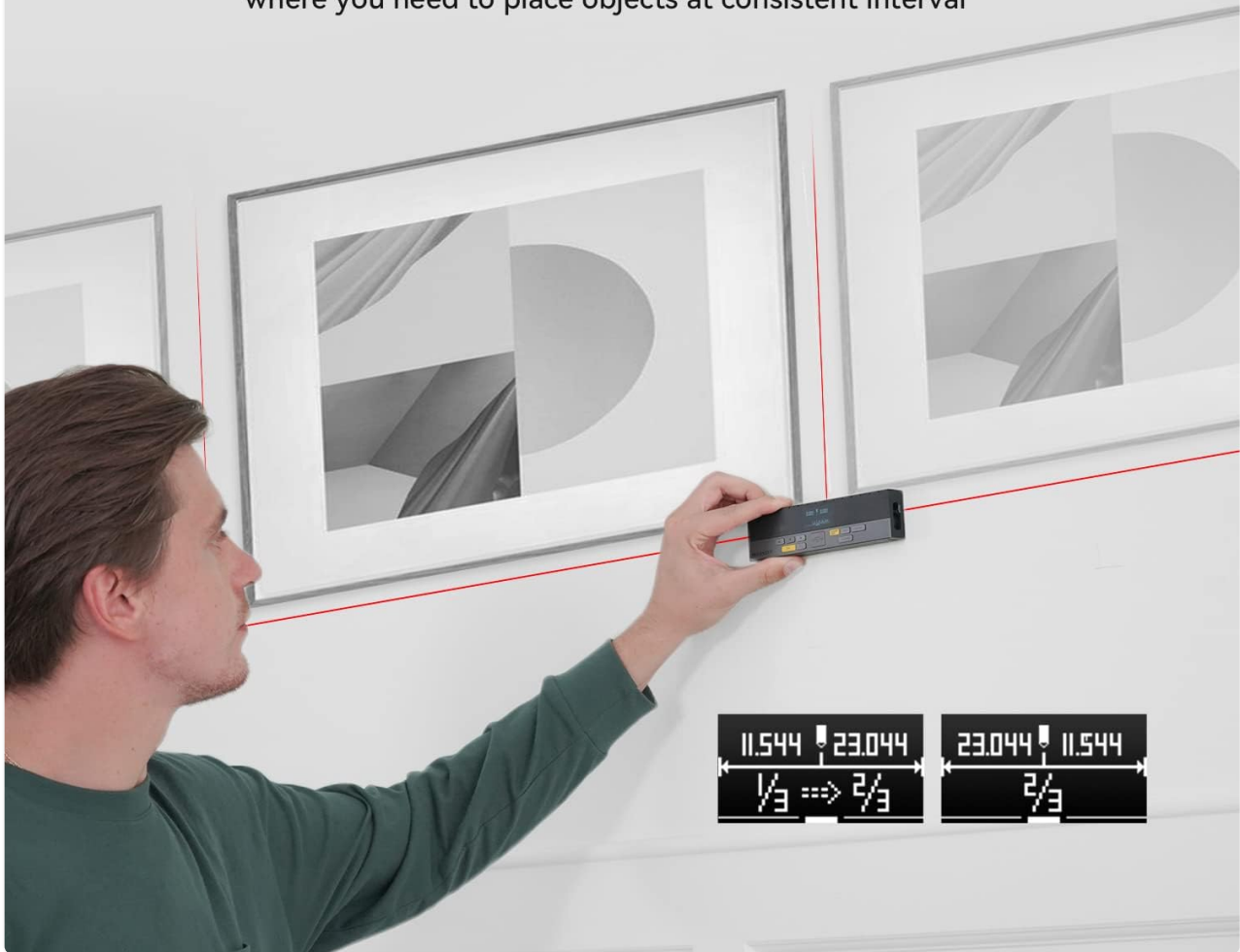


Figure 7: Using the auto line segment division feature for consistent spacing.

6.6 Digital Angle Level

The integrated digital angle level provides real-time angle measurements.

1. The device automatically displays the current tilt angle.
2. This feature can be used in conjunction with other measurement modes for more complex calculations.

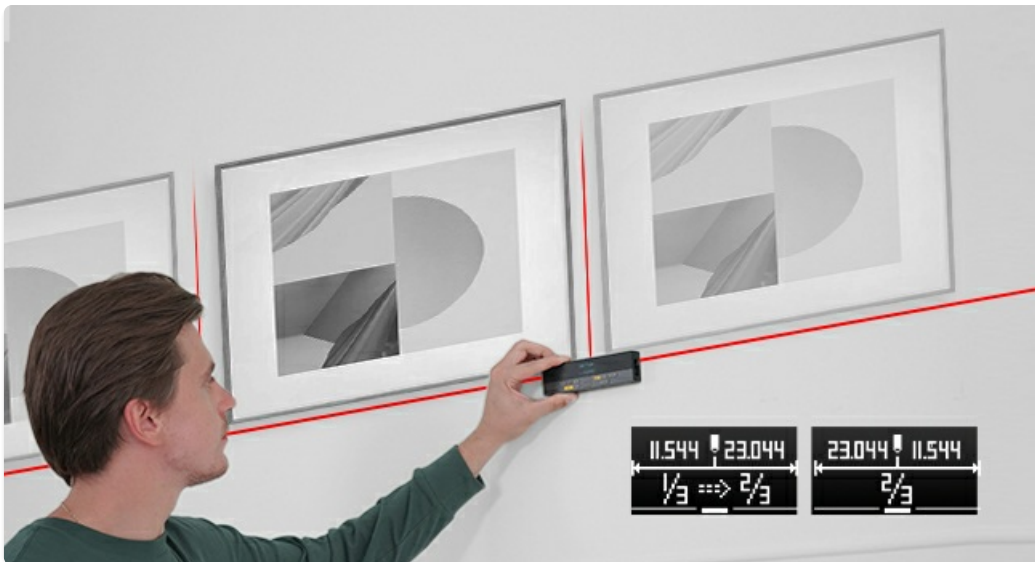


Figure 8: The digital tilt sensor provides accurate angle readings.

7. ADVANCED FEATURES

7.1 Bluetooth Connectivity and App Synchronization

The DP20 supports Bluetooth connectivity, allowing it to pair with the

Related Documents - DP20

<p>Laser Distance Meter User Manual</p> <p>Comprehensive user manual for the MileSeeey S6 Laser Distance Meter, covering safety instructions, operation, measurement functions (single, continuous, area, volume, Pythagorean), Bluetooth connectivity, troubleshooting, and technical specifications. Learn how to use the S6 for accurate distance measurements.</p>	<p>MileSeeey S6 Laser Distance Meter User Manual</p>
<p>S6 Manual de usuario</p> <p>Descripción del producto: Gracias por comprar el medidor de distancia láser MILESEEEY S6. Antes de usar el medidor, lea detenidamente el manual de usuario. MILESEEEY S6 Laser Measure tiene 8 funciones: satisfacer diferentes necesidades de medición y una experiencia de usuario enormemente mejorada.</p> <p>Precaución</p> <p>Para su seguridad, lea atentamente el siguiente contenido:</p> <ol style="list-style-type: none"> Este es un producto de láser de Clase 2. Por favor, no mire directamente al rayo láser o apunte el rayo láser a otros. Esto se debe a que el rayo láser perjudicaría la visión. Este producto sigue una regulación estricta. Sin embargo, al ser un producto de láser, puede interferir con otros dispositivos y ejercer una influencia negativa sobre otros productos o entornos. <ul style="list-style-type: none"> NO coloque este producto en un ambiente explosivo o inflamable. NO utilice este producto cerca del equipo médico. NO utilice este producto en los vuelos. <p>Eliminación de desechos</p> <p>No deseches este producto junto con otros desperdicios de la casa sino de acuerdo con las leyes y reglamentos de su país o distrito local.</p>	<p>MILESEEEY S6 Laser Measure User Manual</p> <p>The MILESEEEY S6 Laser Measure user manual provides detailed instructions for operating the S6 laser distance meter, highlighting its 8 functions for enhanced measurement and user experience, including distance, area, volume, and Pythagorean measurements, along with troubleshooting and technical specifications.</p>

Laser Distance Meter DP20 Series Quick Start

Product Overview

Thank for you for purchasing Mileseeey Laser distance meter. Please read the user manual carefully before operation.

The DP20 series is an exquisite bilateral laser distance measurer whose exterior redefines the concept of design—the cleverly designed buttons render an appearance as simple as a ruler. With built-in upgraded and patented distance-measuring technology that enable more accurate date of measurement, it meets various measurement needs of people engaged in house renovation, house decoration, interior design, exhibition design, outdoor advertising design, crafting, home soft furnishing and more.

Made of aviation aluminum alloy, the DP20 series is characterized by its elegance, smoothness, and durability. The user-favored multiple buttons with logical layout enables quick and easy operation. HD back-lit OLED display illuminates numbers and signs with a distinct resolution. The digital angle sensor allows real-time reading of the measurement angle and easy horizontal alignment. Thanks to the built-in large capacity 3000mAh rechargeable Li-ion battery, DP20 series is a more eco-friendly device with a long using life span.

DP20 series carries an expansive collection of functions—real-time angle display, single measurement, continuous measurement, area measurement, volume measurement, auto level distance calculation, auto height finding. The DP20 Pro supports both unilateral and bilateral measurements, and the bilateral measurement overcomes restrictions of irregular spatial structures, enabling exceptionally efficient and precise distance calculation under complex spatial conditions. The smallest unit that the device is capable of measuring is 0.001m and the longest measurement range is up to 120m (DP20) in the two-way mode of measuring. The DP20 series affords an outstanding measuring experience with the best quality and performance!



Safety instructions

In order to use this product safely, please read The following instructions carefully.

EN60950

[Mileseeey DP20 Series Laser Distance Meter Quick Start Guide](#)

Quick start guide for the Mileseeey DP20 Series Laser Distance Meter, detailing product overview, technical specifications, and operation instructions for various measurement modes.

MILESEEEY®



[MILESEEEY S2 Laser Distance Meter Quick Start Guide](#)

A concise guide to the MILESEEEY S2 Laser Distance Meter, covering its features, operation, safety instructions, troubleshooting, and specifications. Learn how to measure distance, area, volume, and use Pythagorean functions.



Милсеєєй X5
Лазерний дальномір
Інструкція

[Mileseeey X5 Laser Distance Meter User Manual](#)

Comprehensive user manual for the Mileseeey X5 Laser Distance Meter, covering its features, operation, measurement modes, and troubleshooting.



[MILESEEEY DP20 PRO Series Laser Distance Meter User's Guide](#)

Comprehensive user's guide for the MILESEEEY DP20 PRO Series Laser Distance Meter, detailing product overview, safety instructions, technical specifications, operation instructions for various measurement modes (single, continuous, area, volume, auto level, auto height), Bluetooth connectivity, app integration, and troubleshooting.