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MiLESEEY DT11

MILESEEY DT11 2-in-1 Laser Measuring Tape User Manual

Model: DT11 | Brand: MiLESEEY

Introduction

The MiLESEEY DT11 is an innovative 2-in-1 measuring tool, seamlessly integrating a traditional 16-foot (5-meter) auto-lock tape measure with a 131-foot (40-meter) rechargeable laser distance meter. This versatile device is designed to provide accurate and efficient measurements for a wide range of applications, from simple DIY tasks to professional projects. Its robust construction and intuitive interface ensure ease of use and durability.

Safety Information

This device utilizes a Class 2 laser. Adhere to the following safety guidelines:

- Do not stare directly into the laser beam.
- Avoid directing the laser beam at other individuals or reflective surfaces.
- Keep the device out of reach of children.
- Use the device only as described in this manual.
- Do not attempt to disassemble or modify the device.

Product Overview

The MILESEEY DT11 combines two essential measuring tools into one compact and durable unit. Below is an overview of its key components and features.



Figure 1: The MILESEEY DT11 2-in-1 Laser Measuring Tape, showcasing its compact design with both tape measure and laser components visible.

This image displays the overall appearance of the MILESEEY DT11, highlighting its dual functionality as both a traditional tape measure and a laser distance meter. The device features a robust black and orange casing, a clear digital display, and a visible laser emission point.



Figure 2: Illustration of the DT11's 2-in-1 design, showing both tape measure and laser measurement in use.
This image visually explains the core concept of the DT11, demonstrating how it functions as both a 16ft tape measure for short-range accuracy and a 131ft laser measure for long-range precision. It shows the tape measure being used on a wooden surface and the laser measuring a long hallway.



Figure 3: Key features for ease of use, including control buttons, backlit LCD, magnetic hook, and dual scale tape.
This image highlights the user-friendly aspects of the DT11. It points out the clearly labeled control buttons for measurement, area/volume/Pythagoras modes, unit/measuring reference, and power on/off. The easy-to-read backlit LCD display, double-sided magnetic hook, and dual imperial/metric scale on the tape are also emphasized.

Setup

1. **Initial Charging:** Before first use, fully charge the device using the provided USB Type-C cable. The charging port is located on the side of the device. A full charge ensures optimal battery life and performance.
2. **Power On:** Press the power button (usually labeled 'MEAS' or a dedicated power icon) to turn on the device. The backlit display will illuminate.



Figure 4: The DT11 showing its belt clip and USB-C charging port.
This image illustrates the portability of the DT11 with its integrated belt clip, allowing for easy carrying. It also shows the device being charged via its USB-C port, emphasizing its rechargeable nature and modern connectivity.

Operating Instructions

Tape Measure Functionality

- **Extend Tape:** Pull the tape blade out from the housing. The auto-lock mechanism will hold the blade in place at the desired length.
- **Retract Tape:** Press the retraction button (typically located on the bottom or side of the device) to smoothly retract the tape blade.
- **Magnetic Hook:** Utilize the double-sided magnetic hook at the end of the tape for stable attachment to metal surfaces, facilitating single-person measurements.
- **True Zero Hook:** The movable hook is designed for accurate internal and external measurements, compensating for the hook's thickness.



Figure 5: Close-up of the auto-lock mechanism for the tape measure.
This image illustrates the automatic blade lock feature of the tape measure. It shows the mechanism that holds the tape blade out until the retraction button is pressed, enhancing stability and accuracy during measurements.

Laser Measurement Functionality

- **Activate Laser:** With the device powered on, press the 'MEAS' button to emit the laser beam.
- **Single Measurement:** Point the laser at the target and press 'MEAS' again to take a single distance measurement. The result will display on the screen.
- **Continuous Measurement:** Hold down the 'MEAS' button for a few seconds to enter continuous measurement mode. The display will update in real-time as you move the device.
- **Area Measurement:** Press the mode button (often indicated by a square icon) until the area mode is selected. Take two consecutive measurements (length and width), and the device will calculate and display the area.
- **Volume Measurement:** Press the mode button until the volume mode is selected. Take three consecutive measurements (length, width, and height), and the device will calculate and display the volume.
- **Pythagorean Measurement:** For indirect measurements (e.g., height of a wall), select the Pythagorean mode. Follow the on-screen prompts to take the required measurements (e.g., hypotenuse and one side), and the device will calculate the unknown side.

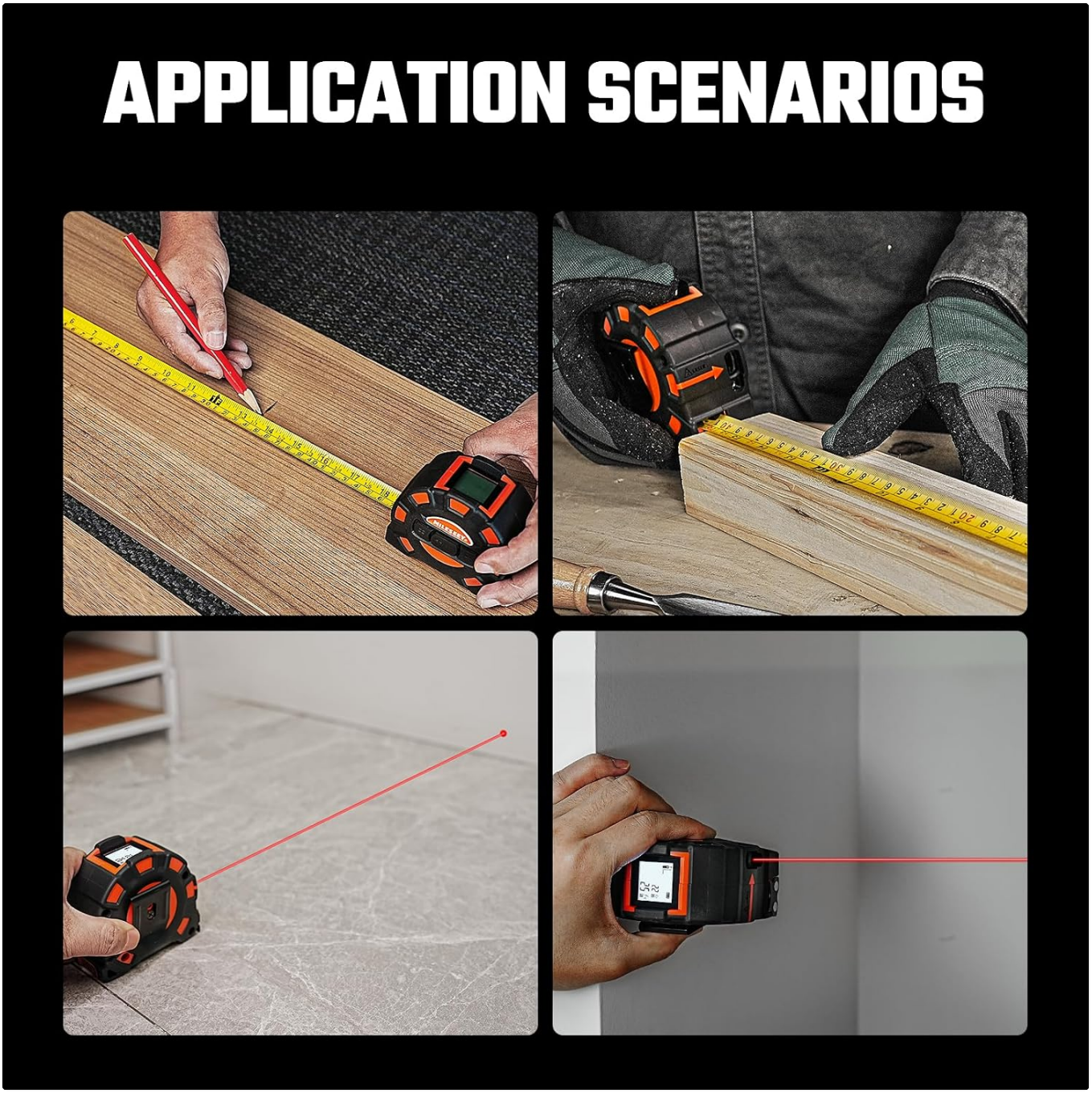


Figure 6: Visual representation of the various measurement functions.
This image illustrates the different measurement modes available on the DT11: Distance (single point), Area (two points), Volume (three points), and Pythagoras (two points for indirect height/length). Each mode is depicted with a simple diagram showing how measurements are taken.

Unit Switching and Measurement Reference

- **Switch Units:** Press the 'UNIT' button to cycle through available units: Feet (Ft), Feet+Inches (Ft+in), Inches (in), and Meters (M).
- **Change Measuring Reference:** Hold down the 'UNIT' button to switch the measurement reference point between the front and rear of the device. This is crucial for accurate measurements depending on where the device is placed.

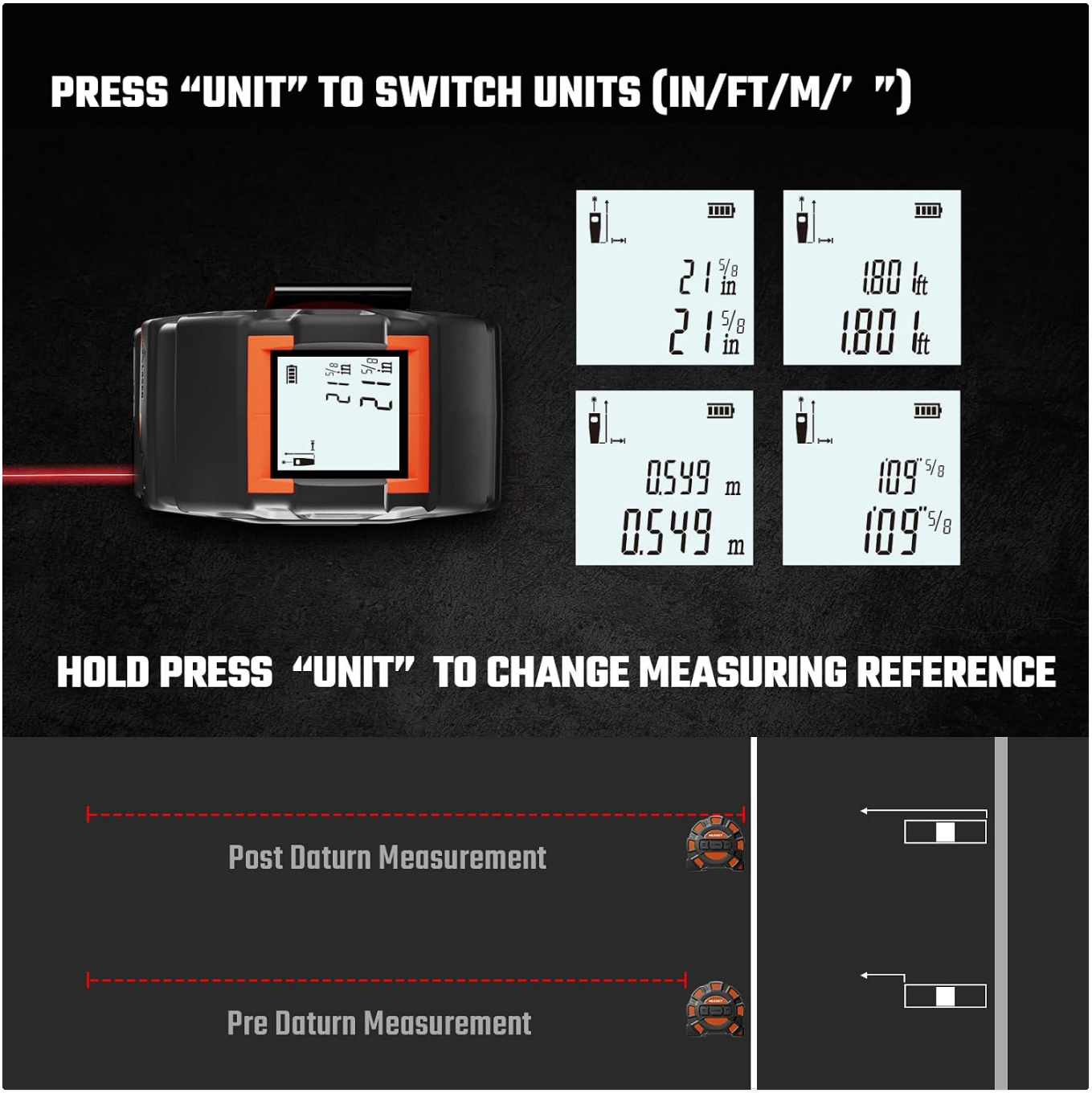


Figure 7: Display showing different unit formats and measurement reference points.
This image visually explains how to switch between different units (in/ft/m/ft+in) by pressing the "UNIT" button. It also visually explains how holding the "UNIT" button changes the measuring reference between "Post Datum Measurement" (from the front of the device) and "Pre Datum Measurement" (from the rear of the device).

Historical Memory

The DT11 can store up to 20 groups of historical measurement data. Access this memory via the dedicated memory button (often indicated by a list or history icon) to review previous measurements, facilitating quicker and more efficient work.

Calibration

The DT11 allows for manual calibration to ensure optimal accuracy. Follow these steps:

1. **Power On:** Press the power button to start the DT11.
2. **Access Calibration Interface:** Press a specific combination of buttons (refer to the detailed user manual for the exact combination, typically involving the 'MEAS' and 'UNIT' buttons pressed twice or simultaneously) to enter the calibration menu.

3. **Error Calibration:** Use the designated buttons (e.g., '+' for adding, '-' for subtracting) to adjust the calibration value. The adjustable range is typically 3/8" to 3/8".
4. **Save and Exit:** Press the 'MEAS' button to save the calibration and exit the menu.

Maintenance

- **Cleaning:** Wipe the device with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:** Recharge the battery regularly, even if not in frequent use, to maintain its lifespan. Avoid fully discharging the battery for extended periods.

Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	Low or no battery charge.	Charge the device fully using the USB Type-C cable.
Inaccurate laser measurements.	Incorrect measurement reference point; calibration needed.	Verify the measurement reference (front/rear). Perform manual calibration as per instructions.
Tape measure does not retract smoothly.	Debris in mechanism; retraction button not fully pressed.	Clear any visible debris. Ensure the retraction button is fully depressed.

Specifications

Feature	Detail
Model Number	DT11
Tape Measure Length	16 Ft (5 Meters)
Laser Measure Range	131 Ft (40 Meters)
Tape Measure Accuracy	±1/16 inch
Laser Measure Accuracy	±1/8 inch
Units of Measurement	M/Ft/in/Ft+in
Historical Data Storage	20 Groups
Battery Type	Rechargeable Lithium Ion
Charging Port	USB Type-C
Design Features	Auto-Lock Tape, Magnetic Hook, Backlit Display, Rubber Overmolded Case
Product Dimensions	6.54"L x 4.49"W x 0.1"H
Item Weight	10.58 ounces (300 Grams)

Warranty and Support

MiLESEEY products are manufactured to high-quality standards. For warranty information, technical support, or any inquiries

regarding your DT11 Laser Measuring Tape, please refer to the contact details provided on the product packaging or the official MiLESEEY website. Keep your purchase receipt for warranty claims.

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