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› HANMATEK DTAPE DT10/40M Laser Distance Meter & Tape Measure User Manual

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Model: DT10/40M

1. INTRODUCTION

The HANMATEK DTAPE DT10/40M is a versatile 2-in-1 measuring tool, combining a 40-meter laser distance meter with a 5-meter self-locking tape measure. This device is designed for accurate and efficient measurements in various applications, offering both traditional and digital measurement capabilities. It features a black and white display, multiple measurement modes, and a rechargeable lithium battery.



Figure 1: HANMATEK DTAPE DT10/40M device with charging cable.

2. PRODUCT OVERVIEW AND KEY COMPONENTS

Familiarize yourself with the main components and controls of the DTAPE DT10/40M.

Product Description



Figure 2: Labeled components of the DTAPE DT10/40M.

- **Display Screen:** Shows power, measurement standard, and measurement data.
- **Menu Key:** Short press to switch measurement mode (single distance, area, volume, Pythagorean).
- **Brake Lock:** Controls the tape retraction speed. Press to slow down, release to stop.
- **Set Key:** Short press to switch measurement reference (front or rear). Long press to change measurement units (m/ft/in).
- **Measuring Key:** Short press for single measurement; long press for continuous measurement.
- **Laser Receiving Port:** Receives the laser beam for distance calculation.
- **Laser Emission Port:** Emits the laser beam.
- **Type-C Charging Port:** For recharging the internal battery.
- **ON/OFF Button:** Long press to turn the device on/off. Short press to return to the previous step.
- **5m/16ft Tape Measure:** Integrated tape measure with magnetic hook for attaching to metal surfaces.

3. FEATURES

- **2-in-1 Functionality:** Combines a 40-meter laser distance meter with a 5-meter self-locking tape measure, offering versatility for various measurement needs.
- **High-Precision Tape Measure:** Accuracy of ± 1.5 mm, 19 mm wide tape, 5-meter stretch length. Features a flexible "one-button" rear cover with a magnet and a nylon-coated lining for durability.
- **Accurate Digital Laser:** Precision of ± 2 mm. Supports unit switching between meters (m), feet (ft), and inches (in). Capable of single measurement, area measurement, volume measurement, and Pythagorean measurement. The dual-aperture design enhances measurement stability. Class II laser for field applications.
- **USB Rechargeable Battery:** Built-in rechargeable lithium battery provides extended life, allowing for approximately 5 hours of continuous use on a full charge. Conveniently recharges via USB.
- **Power Saving Features:** The laser automatically turns off after 30 seconds of inactivity. The display automatically shuts off after 180 seconds (3 minutes) of inactivity to conserve battery power.
- **Controlled Tape Retraction:** The tape retraction speed can be controlled via the front gate.
- **Durability:** The device is designed to be both waterproof and dustproof, making it suitable for various working environments.

**Both waterproof and dustproof
suitable for all occasions**



4. SETUP

4.1 Charging the Device

The DTAPE DT10/40M comes with a built-in rechargeable lithium battery. Before first use, or when the battery indicator on the display shows low power, charge the device.

1. Locate the Type-C charging port on the side of the device.
2. Connect the provided USB Type-C cable to the device's charging port.
3. Connect the other end of the USB cable to a standard USB power adapter (e.g., phone charger, computer USB port, power bank).
4. The battery indicator on the display will show charging status. Once fully charged, disconnect the cable.

4.2 Powering On/Off

- **To Power On:** Long press the **ON/OFF** button. The display will light up.
- **To Power Off:** Long press the **ON/OFF** button again. The display will turn off.
- **Automatic Shut-off:** The device will automatically power off after 3 minutes of inactivity to save battery.

5. OPERATING INSTRUCTIONS

5.1 Using the Tape Measure

The integrated 5-meter tape measure functions like a standard measuring tape with added features.



Figure 4: Details of the tape measure, including brake lock and magnetic hook.

- **Pulling the Tape:** Gently pull the tape measure out to the desired length. The self-locking mechanism will hold it in place.
- **Retracting the Tape:** Press the **Brake Lock** button to control the retraction speed. Release the button to stop the tape.
- **Magnetic Hook:** The end of the tape features a magnetic hook, allowing it to be securely attached to metal surfaces for easier measurement.
- **Note on Units:** For products sold in the EU market, the tape measure will primarily display metric units (centimeters and meters).

5.2 Using the Laser Distance Meter

The laser distance meter offers various measurement modes for different applications.

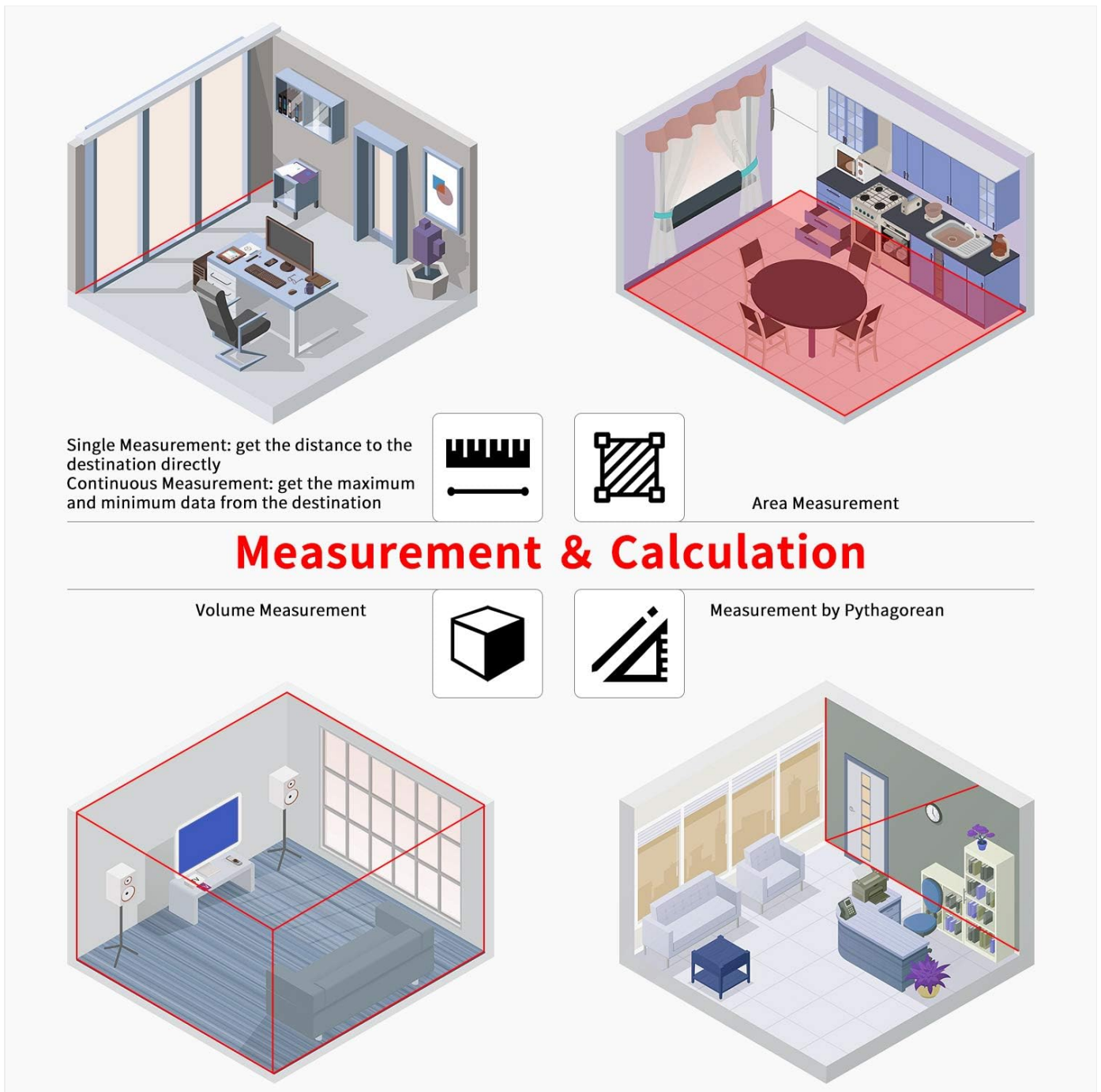


Figure 5: Illustration of various measurement and calculation modes.

5.2.1 Changing Measurement Units

The device supports meters (m), feet (ft), and inches (in).

- Long press the **SET** key to cycle through the available units. The current unit will be displayed on the screen.

5.2.2 Changing Measurement Reference Point

The laser measurement can be taken from the front or rear of the device.

- Short press the **SET** key to switch the measurement reference. An icon on the display will indicate whether the measurement is taken from the front or the rear of the device.
- **Important Note:** When using the laser measurement from the rear reference, the measured data will be approximately 9 cm longer than the data measured by the tape measure due to the device's length.

5.2.3 Measurement Modes

Short press the **MENU** key to cycle through the following measurement modes:

- **Single Distance Measurement:**

1. Select single distance mode (default).
2. Point the laser at the target.
3. Short press the **MEAS** key. The distance will be displayed instantly.

- **Continuous Measurement:**

1. Select continuous measurement mode.
2. Long press the **MEAS** key. The device will continuously measure and display the current distance, as well as the maximum and minimum values. Move the device slowly to find specific points.
3. Short press the **MEAS** key again to stop continuous measurement.

- **Area Measurement:**

1. Select area measurement mode.
2. Measure the first side (e.g., length) by pressing **MEAS**.
3. Measure the second side (e.g., width) by pressing **MEAS**.
4. The device will automatically calculate and display the area.

- **Volume Measurement:**

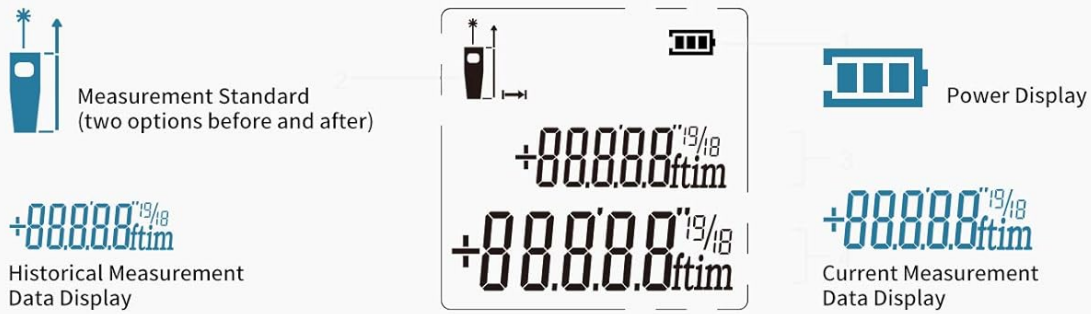
1. Select volume measurement mode.
2. Measure the length by pressing **MEAS**.
3. Measure the width by pressing **MEAS**.
4. Measure the height by pressing **MEAS**.
5. The device will automatically calculate and display the volume.

- **Pythagorean Measurement:**

1. Select Pythagorean measurement mode.
2. Follow the on-screen prompts to measure the required sides (e.g., hypotenuse and one leg for indirect height/length).
3. The device will calculate the unknown side based on the Pythagorean theorem.

Convenient2-1 Laser Measure&Tape Measure

1.4 in Black and White Reverse Display



Four Units Switchable

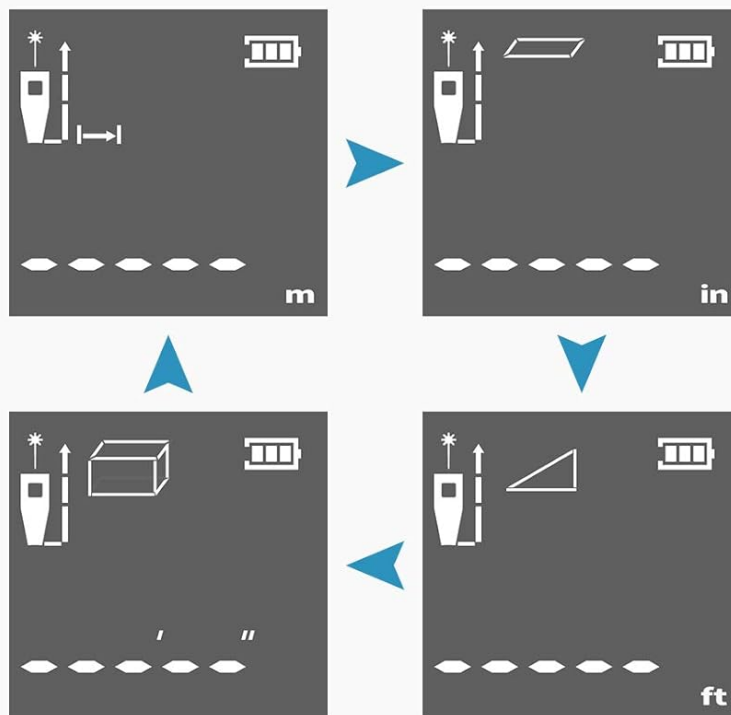


Figure 6: Display screen showing measurement standards, historical data, power, and current data, with unit switching options.

6. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the device. Do not use abrasive cleaners or solvents. For the laser lens, use a clean, lint-free cloth specifically designed for optics.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures. When not in use for extended periods, ensure the battery is partially charged (around 50%) to prolong its lifespan.
- **Avoid Impact:** While durable, avoid dropping the device or subjecting it to strong impacts, as this can affect its accuracy and functionality.
- **Battery Care:** Recharge the battery regularly, even if the device is not frequently used, to prevent deep discharge.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device does not turn on.	Battery is depleted.	Charge the device using the provided USB Type-C cable.
Laser does not emit.	Device is in an incorrect mode or laser auto-off activated.	Ensure the device is powered on and in a measurement mode. Short press the MEAS key to activate the laser. The laser automatically turns off after 30 seconds of inactivity.
Inaccurate laser measurements.	Incorrect reference point selected; Obstruction in laser path; Device not stable.	Check the measurement reference point (front/rear). Ensure the laser path is clear. Hold the device steady or place it on a stable surface. Note the 9cm difference when using rear reference.
Display turns off too quickly.	Automatic display shut-off activated.	This is a power-saving feature. The display turns off after 180 seconds (3 minutes) of inactivity. Press any button to reactivate.
Tape measure retracts too fast/slow.	Brake lock not properly engaged/disengaged.	Press the Brake Lock button to control the retraction speed. Release to stop.

8. SPECIFICATIONS

Feature	Specification
Manufacturer	Vorstik
Model Number	DT10 (799670937876)
Product Dimensions	8.3 x 5.4 x 7.9 cm
Product Weight	400 g
Color	DT10/40M (Blue/Black)
Power Source	Battery (Rechargeable Lithium)
Tape Measure Length	5 Meters
Tape Measure Width	19 mm (0.75 in)
Tape Measure Precision	±1.5 mm
Laser Measurement Range	Up to 40 Meters
Laser Measurement Precision	±2 mm
Laser Color	Red
Laser Class	Class II
Display Type	LED (Black and White)
Measurement System	International System of Units (switchable to ft/in)

Feature	Specification
Special Features	5m Tape Measure + 40m Laser Distance Measurement, USB Rechargeable, Auto Shut-off, Waterproof, Dustproof
Case Material	Plastic or Vinyl
Blade Material	Metal, Stainless Steel, or Aluminum

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact HANMATEK customer service through their official website or the retailer where the product was purchased. Keep your proof of purchase for any warranty claims.

