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› ACEGMET DT30 Digital Laser Tape Measure User Manual

ACEGMET DT30

ACEGMET DT30 Digital Laser Tape Measure User Manual

Model: DT30 | Brand: ACEGMET

1. INTRODUCTION

The ACEGMET DT30 is a versatile 3-in-1 measuring tool designed for precision and convenience. It integrates a 131ft (40m) laser distance meter, a 16ft (5m) auto-lock physical tape measure, and a digital display for real-time readings. This device is ideal for various measurement tasks, offering multiple calculation modes and unit selections.



Figure 1: ACEGMET DT30 Digital Laser Tape Measure

2. KEY FEATURES

- **3-in-1 Multifunction:** Combines a 131ft laser distance meter, a 16ft auto-lock physical tape, and a digital display.
- **Effortless Precision:** Accurate to 1/16 inch with simple one-button operation.
- **Backlit LCD Screen:** Large display ensures clear readability in various lighting conditions.
- **Smarter Calculations:** Instantly calculates area and volume, and features a built-in Pythagorean mode.
- **Data Memory:** Stores up to 20 groups of past measurements.
- **Rugged Design:** Anti-skid, shock-absorbing rubberized case and true-zero magnetic hook.
- **IP54 Waterproof Rating:** Withstands tough job site conditions.
- **USB Rechargeable:** Built-in battery eliminates the need for disposable batteries.

3. SETUP AND CHARGING

3.1 Charging the Device

The DT30 features a built-in USB-rechargeable battery. To charge:

1. Locate the USB-C charging port on the side of the device.
2. Connect the provided USB-C cable to the device and a compatible USB power source (e.g., computer, wall adapter).
3. The battery indicator on the LCD screen will show charging status.



Figure 2: USB-C Charging Port

3.2 Powering On/Off

To power on the device, press and hold the power button located on the side. To power off, press and hold the same button.

4. OPERATING MODES

The DT30 offers three primary measurement methods:

4.1 Tape Measure Mode

For precise short-distance measurements, the traditional tape measure is available:

1. Pull out the physical tape measure from the device.
2. The measurement will be displayed digitally on the LCD screen in real-time.
3. The tape features an auto-lock mechanism to hold the measurement in place. Press the blue button to retract the tape.

ACCURACY AT YOUR FINGERTIPS

Instant Digital Readout as You Measure



Figure 3: Digital Readout for Tape Measure

4.2 Laser Distance Meter Mode

For long-range and hands-free measurements:

1. Ensure the device is powered on.

2. Point the laser emitter towards the target surface.
3. Press the red measurement button to activate the laser and take a reading. The distance will appear on the LCD screen.

3 Ways to Measure

One Smart Device: Tape, Laser, and Digital Display

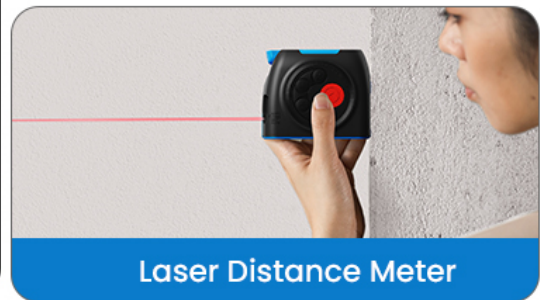


Figure 4: Laser Distance Measurement in Use

4.3 Mode Selection

The DT30 supports various measurement and calculation modes. To cycle through modes:

1. Press the 'MODE' button (often indicated by a grid icon) to switch between different functions.
2. Available modes include single distance, area, volume, and Pythagorean theorem.



Video 1: Demonstrating 3-in-1 Digital Tape Measure Modes

5. ADVANCED MEASUREMENTS AND CALCULATIONS

Beyond basic distance, the DT30 can perform complex calculations:

- **Distance Measurement:** Standard point-to-point measurement.
- **Area Measurement:** Take two distance measurements (length and width), and the device calculates the area.
- **Volume Measurement:** Take three distance measurements (length, width, and height), and the device calculates the volume.
- **Pythagorean Mode:** Use this mode to measure inaccessible heights or lengths indirectly by measuring two sides of a right-angled triangle.



Figure 5: Various Measurement and Calculation Modes

6. UNIT SELECTION AND DATA MEMORY

6.1 Unit Selection

The device supports 6 selectable units. To change the measurement unit:

1. Press the 'UNIT' button (often indicated by a unit symbol) to cycle through available units.
2. Units typically include feet, inches, meters, and various fractional representations.



Figure 6: Displaying Various Measurement Units

6.2 Data Memory

The DT30 can store up to 20 sets of measurement data. To access or clear memory:

1. Press the 'MEM' button (often indicated by a save icon) to view stored measurements.
2. Follow on-screen prompts or refer to the full user manual for clearing specific entries or the entire memory.

7. 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 battery health.
- **Protection:** The rugged design provides durability, but avoid unnecessary drops or impacts. The IP54 rating protects against dust and splashing water, but it is not designed for submersion.

8. TROUBLESHOOTING

- **Device not powering on:** Ensure the battery is charged. Connect to a USB power source and try again.
- **Inaccurate laser readings:** Ensure the laser path is clear and the target surface is flat and reflective. Avoid measuring through transparent materials.
- **Tape measure not retracting:** Check for any obstructions or debris in the tape mechanism.
- **LCD display issues:** If the display is dim or flickering, recharge the battery. If the issue persists, contact customer support.

9. SPECIFICATIONS

Specification	Value
Brand	ACEGMET
Model Name	DT30
Laser Measuring Range	131ft (40m)
Tape Measure Length	16ft (5m)
Accuracy	±1/16 inch
Units	6 selectable units (e.g., ft, in, m)
Battery Type	Lithium-Ion (Rechargeable via USB)
IP Rating	IP54 (Dust and Splash Water Resistant)
Material	Plastic (Rubberized Case)
Item Weight	12.35 Ounces

10. WARRANTY AND SUPPORT

The ACEGMET DT30 Digital Laser Tape Measure comes with an 18-month warranty and reliable 2-year support. For any issues or inquiries, please contact ACEGMET customer service.