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Alloyman Black Red

Alloyman 2-in-1 Digital Tape Measure User Manual

Model: Black Red

Brand: Alloyman

1. Introduction

The Alloyman 2-in-1 Digital Tape Measure is a versatile and accurate tool designed for various measurement tasks in home improvement, construction, carpentry, and DIY projects. It combines a traditional tape measure with a digital display, offering enhanced readability and functionality. This manual provides comprehensive instructions for its setup, operation, maintenance, and troubleshooting.



Figure 1: Alloyman 2-in-1 Digital Tape Measure (Black Red model)

2. Setup

2.1 Charging the Device

The Alloyman Digital Tape Measure is equipped with a 500mAh lithium-ion rechargeable battery. Before first use, or when the battery indicator on the display shows low charge, connect the device to a power source using the included USB Type-C charging cable.

- Locate the USB Type-C port on the side of the tape measure.
- Insert the USB Type-C connector into the device's port.
- Connect the other end of the cable to a compatible USB power adapter (not included) or a computer's USB port.
- The battery indicator on the display will show charging status. A full charge provides over 5,000 measurements.



Figure 2: USB Type-C charging port location and magnetic hook feature.

3. Operating Instructions

3.1 Power On/Off

- To power on: Long press the "M ON" button located on the side of the device. The digital display will illuminate.
- To power off: Long press the "C/OFF" button. The display will turn off.

3.2 Basic Measurement

The Alloyman Digital Tape Measure features a traditional retractable tape with an integrated digital display for clear and accurate readings. The tape automatically locks in place when extended.

- Pull out the tape measure to the desired length. The digital display will show the measurement in real-time.

- To retract the tape: Press the brake button (usually a large button on the top or side) to release the lock, and gently guide the tape back into the housing.
- The magnetic hook at the end of the tape allows for easy single-person measurements, especially on metal surfaces.



Figure 3: The 2-in-1 design provides both physical and digital readings with high accuracy (±1mm / 1/16").



Figure 4: Key components of the Alloyman Digital Tape Measure.

3.3 Unit Conversion

The device supports 6 different units of measurement.

- To switch units: Long press the "UNITS" button. The display will cycle through Ft-Inch, FT, INCH, MM, CM, and M.



Figure 5: Available measurement units for conversion.

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Video 1: Demonstration of unit conversion and basic measurement functions.

3.4 Measurement Modes

The tape measure offers 4 distinct measurement modes for various applications.

- To switch modes: Long press the "FUNC" button. The display will cycle through LENGTH, MIDPOINT, AREA, and VOLUME modes.
- **LENGTH Mode:** Standard linear measurement.
- **MIDPOINT Mode:** Calculates the midpoint of a measured length.
- **AREA Mode:** Allows for calculation of area (requires two measurements: length and width).
- **VOLUME Mode:** Allows for calculation of volume (requires three measurements: length, width, and height).



Figure 6: Visual representation of the four measurement modes.

3.5 Data Recording

The device can store up to 50 sets of historical data.

- To save a measurement: Briefly press the "M ON" button after taking a measurement. The measurement will be stored.
- To review historical data: Access the data recording menu (specific button or long press combination might be needed, refer to on-screen prompts if available).



Figure 7: The digital display shows stored historical data records.

4. Maintenance

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or immerse the device in water.
- **Storage:** Store the tape measure in a cool, dry place away from direct sunlight and extreme temperatures.
- **Durability:** Crafted from durable ABS material, this tape measure is built to withstand drops from up to 6.5 feet (2 meters). However, avoid unnecessary drops or impacts to prolong its lifespan.



Figure 8: The robust design provides shock absorption for increased durability.

5. Troubleshooting

Problem	Possible Cause	Solution
Display not turning on.	Low battery or device is off.	Charge the device using the USB Type-C cable. Long press the "M ON" button to power on.
Inaccurate measurements.	Incorrect measurement mode selected or tape not fully extended/retracted.	Ensure the correct measurement mode is selected. Fully extend or retract the tape for accurate readings. Note: This tape measure does not include a laser function.

Problem	Possible Cause	Solution
Tape not retracting smoothly.	Debris in the mechanism or tape is jammed.	Gently pull out the tape and try retracting again. Ensure no debris is obstructing the tape path. Avoid forceful retraction.

6. Specifications

- **Brand:** Alloyman
- **Model:** Black Red
- **Blade Length:** 16 Feet (5 Meters)
- **Measurement Accuracy:** ±1mm / 1/16"
- **Units:** Ft-Inch, FT, INCH, MM, CM, M
- **Measurement Modes:** Length, Midpoint, Area, Volume
- **Data Storage:** Up to 50 sets of historical data
- **Battery:** 500mAh Lithium-Ion rechargeable (included)
- **Charging:** USB Type-C
- **Case Material:** Alloy Steel, ABS
- **Blade Material:** Alloy Steel
- **Lock Type:** Auto-Lock with Push-Button release
- **Product Dimensions:** 3.5"L x 3.5"W
- **Item Weight:** 11.7 ounces
- **Drop Resistance:** Up to 6.5 feet (2 meters)

7. Warranty and Support

Alloyman offers a risk-free satisfaction guarantee for this product. For any inquiries, technical support, or warranty claims, please refer to the contact information provided with your product packaging or visit the official Alloyman website. Your satisfaction is our priority.

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