

TOTAL TMT460011

TOTAL Digital Multimeter TMT460011 User Manual

Model: TMT460011

INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your TOTAL Digital Multimeter, model TMT460011. This device is designed for measuring AC/DC voltage, resistance, and performing continuity and Non-Contact Voltage (NCV) tests. Please read this manual thoroughly before use and retain it for future reference.

SAFETY INFORMATION

Always observe safety precautions when using any electrical testing equipment. Failure to do so may result in injury or damage to the meter or equipment under test.

- Do not apply voltage or current that exceeds the maximum specified limits for the meter.
- Exercise extreme caution when working with live circuits.
- Ensure test leads are in good condition, free from cracks or damaged insulation.
- Do not operate the meter if it appears damaged or if the battery cover is not properly closed.
- Always disconnect power to the circuit and discharge all high-voltage capacitors before measuring resistance or continuity.
- Use the correct function and range for each measurement.

PACKAGE CONTENTS

Verify that all items are present and undamaged upon opening the package.

- 1 x TOTAL Digital Multimeter (TMT460011)
- 1 x Set of Test Leads
- 2 x R03 AAA Batteries
- 1 x User Manual (this document)



Image: The retail packaging box for the TOTAL Digital Multimeter TMT460011. The box is teal and white, displaying an image of the multimeter on the front along with key features and accessories.

PRODUCT OVERVIEW

Familiarize yourself with the components of your digital multimeter.



Image: Front view of the TOTAL Digital Multimeter TMT460011. The multimeter is teal with a black display screen. It features a large digital display, function buttons (HOLD/NCV, Power, Backlight), and input jacks (COM, INPUT) at the bottom. The "SMART" and "Auto Range" indicators are visible on the display area.

Key Components:

- **LCD Display:** Shows measurement readings, units, and function indicators.
- **Function Buttons:**
 - **HOLD/NCV:** Press to hold the current reading; long press to activate Non-Contact Voltage detection.
 - **Power Button:** Turns the multimeter on or off.
 - **Backlight Button:** Activates or deactivates the display backlight.
- **Input Jacks:**
 - **COM (Common) Jack:** For the black test lead.
 - **INPUT Jack:** For the red test lead for voltage, resistance, and continuity measurements.

SETUP

1. Battery Installation

1. Ensure the multimeter is powered off.
2. Locate the battery compartment on the back of the meter.
3. Use a screwdriver to open the battery compartment cover.
4. Insert two R03 AAA batteries, observing the correct polarity (+/-).
5. Replace the battery compartment cover and secure it with the screw.

2. Connecting Test Leads

1. Insert the black test lead into the "COM" (Common) input jack.
2. Insert the red test lead into the "INPUT" jack for most measurements (voltage, resistance, continuity).

OPERATING INSTRUCTIONS

Power On/Off

Press the **Power Button** to turn the multimeter on. The display will illuminate. To turn off, press the **Power Button** again. The meter features an auto power-off function to conserve battery life after a period of inactivity.

Auto Range Function

This multimeter automatically selects the appropriate measurement range for the detected parameter, simplifying operation. The "Auto Range" indicator will be visible on the display.

1. AC/DC Voltage Measurement

1. Ensure the test leads are connected correctly (black to COM, red to INPUT).
2. Power on the multimeter. The meter will automatically detect AC or DC voltage.
3. Connect the test probes in parallel to the circuit or component you wish to measure.
4. Read the voltage value on the LCD display. The meter can measure 0.8V to 600V.

2. Resistance Measurement

1. Ensure the circuit under test is de-energized and all capacitors are discharged.
2. Connect the test leads (black to COM, red to INPUT).
3. Power on the multimeter. The meter will automatically enter resistance measurement mode if no voltage is detected.
4. Connect the test probes across the component where resistance is to be measured.
5. Read the resistance value on the LCD display. The meter can measure up to 600kΩ.

3. Non-Contact Voltage (NCV) Detection

1. Long press the **HOLD/NCV Button** to activate NCV mode. The NCV indicator will appear on the display.
2. Move the top end of the multimeter near the conductor or outlet you suspect has AC voltage.
3. If AC voltage is detected, the meter will emit an audible beep and the NCV indicator will flash. The intensity of the beeping and flashing may increase with stronger voltage.

4. Continuity Test

1. Ensure the circuit under test is de-energized.

2. Connect the test leads (black to COM, red to INPUT).
3. Power on the multimeter. The meter will automatically enter continuity mode if low resistance is detected.
4. Connect the test probes across the circuit or component.
5. If continuity exists (low resistance), the meter will emit an audible beep.

5. Data Hold Function

During any measurement, press the **HOLD/NCV Button** briefly to freeze the current reading on the display. Press it again to release the hold function and resume live measurements.

6. Backlight

Press the **Backlight Button** to turn on the display backlight for improved visibility in dimly lit environments. Press it again to turn off the backlight.

MAINTENANCE

Cleaning

Wipe the meter's casing with a damp cloth and mild detergent. Do not use abrasives or solvents. Ensure the meter is completely dry before use.

Battery Replacement

When the battery low indicator appears on the display, replace the batteries promptly to ensure accurate readings. Refer to the "Battery Installation" section under Setup for instructions.

Storage

If the meter is not used for an extended period, remove the batteries to prevent leakage. Store the meter in a cool, dry place, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Meter does not power on.	Dead or incorrectly installed batteries.	Check battery polarity; replace batteries.
No reading or "OL" (Overload) displayed.	Incorrect function selected, open circuit, or measurement exceeds range.	Ensure proper connection; verify circuit integrity; check if measurement is within meter's range.
Inaccurate readings.	Low battery, damaged test leads, or external interference.	Replace batteries; inspect and replace test leads if damaged; move away from strong electromagnetic fields.
Continuity test does not beep.	Open circuit or high resistance.	Ensure circuit is complete; check for breaks in wires or components.

SPECIFICATIONS

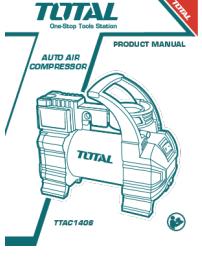
Feature	Detail
Model	TMT460011
Display	True RMS, 2000 Counts
AC/DC Voltage	0.8V ~ 600V
Resistance	Up to 600kΩ
Non-Contact Voltage (NCV)	Yes
Continuity	Yes
Auto Range	Yes
Auto Power-Off	Yes
Power Source	2 x R03 AAA Batteries
Product Dimensions	3.15 x 1.57 x 7.09 inches
Item Weight	700 Grams (1.54 Pounds)

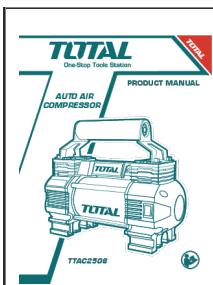
WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official TOTAL website. Keep your proof of purchase for warranty claims.

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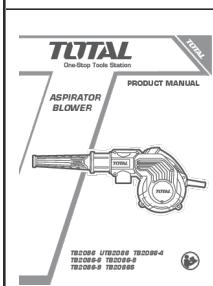
Related Documents

	<p>TOTAL TMT460011 Digital Multimeter CAT III 600V Product Manual</p> <p>User manual and technical specifications for the TOTAL TMT460011 Digital Multimeter. Includes safety instructions, operating procedures, measurement details, accuracy specifications, and maintenance guidelines for this CAT III 600V device.</p>
	<p>TOTAL TTAC1406 Auto Air Compressor Product Manual Safety, Specifications, Operation</p> <p>Comprehensive product manual for the TOTAL TTAC1406 Auto Air Compressor. Includes general and specific safety warnings, symbol explanations, technical specifications, operating instructions, and maintenance troubleshooting.</p>



[TOTAL TTAC2506 Auto Air Compressor Product Manual - Safety, Specifications, and Operation](#)

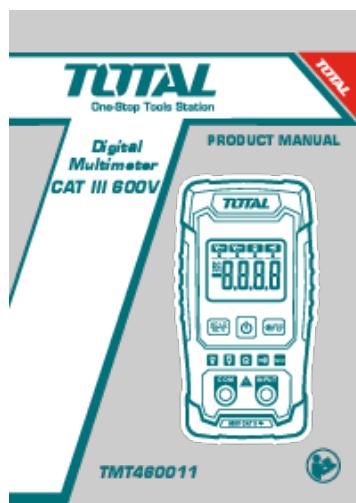
Comprehensive product manual for the TOTAL TTAC2506 Auto Air Compressor, covering essential safety warnings, technical specifications, operating instructions, maintenance, and troubleshooting. Learn how to safely use and care for your air compressor.



[TOTAL Aspirator Blower Product Manual - Models TB2086, UTB2086, and more](#)

Official product manual for the TOTAL Aspirator Blower. Includes detailed safety instructions, operating procedures, technical specifications, and maintenance guidelines for models TB2086, UTB2086, TB2086-4, TB2086-6, TB2086-8, TB2086-9, and TB2086S. Learn how to use your TOTAL power tool safely and effectively.

Documents - TOTAL – TMT460011



[TOTAL TMT460011 Digital Multimeter CAT III 600V Product Manual](#)

User manual and technical specifications for the TOTAL TMT460011 Digital Multimeter. Includes safety instructions, operating procedures, measurement details, accuracy specifications, and maintenance guidelines for this CAT III 600V device.
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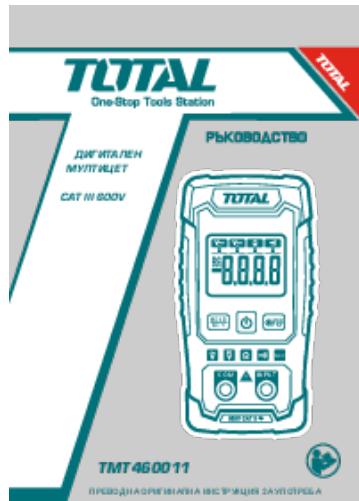
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