

YPMart AS-88C

YPMart AS-88C Digital Professional Multimeter Instruction Manual

INTRODUCTION

This manual provides essential information for the safe and effective operation of your YPMart AS-88C Digital Professional Multimeter. Please read this manual thoroughly before use and retain it for future reference.

SAFETY INFORMATION

General Safety Precautions

- **Read Instructions:** Always read and understand all instructions and safety warnings before using the multimeter.
- **Proper Use:** Use the multimeter only as specified in this manual. Improper use can lead to electric shock or damage to the meter.
- **Inspect Before Use:** Before each use, inspect the meter and test leads for any damage. Do not use if damaged.
- **Avoid Live Circuits:** Do not measure voltage on circuits exceeding the specified maximum input limits.
- **Maintain Dryness:** Keep the meter dry. Do not operate in wet or damp conditions.
- **Battery Safety:** Ensure correct battery polarity when installing. Replace batteries when the low battery indicator appears.

PRODUCT OVERVIEW

Components and Display

The YPMart AS-88C is a manual range digital multimeter designed for various electrical measurements. It features a clear digital display and a rotary switch for function selection. The device is not a smart device and operates in a manual range mode, providing direct control over measurement settings.

Product Image

Professional Digital Multimeter



Figure 1: Front view of the YPMart AS-88C Digital Professional Multimeter, highlighting the display, rotary switch, and input jacks.

SETUP

Battery Installation

The AS-88C multimeter requires 4 x AAA 1.5V batteries for operation. Batteries are not included with the device.

1. Locate the battery compartment cover on the back of the multimeter.
2. Use a screwdriver to remove the screw securing the battery compartment cover.
3. Carefully remove the cover.
4. Insert 4 x AAA 1.5V batteries, ensuring correct polarity as indicated inside the compartment.
5. Replace the battery compartment cover and secure it with the screw.

Note: Always replace all batteries at the same time. Do not mix old and new batteries or different types of batteries.

OPERATING MODES

The AS-88C multimeter operates in manual range mode, requiring the user to select the appropriate range for accurate measurements.

DC/AC Voltage Measurement

To measure DC or AC voltage:

1. Turn the rotary switch to the desired DCV (DC Voltage) or ACV (AC Voltage) range.
2. Insert the red test lead into the "VΩmA" input jack and the black test lead into the "COM" input jack.
3. Connect the test leads in parallel to the circuit or component being measured.
4. Read the voltage value on the digital display.

Maximum DC Voltage: 1000V. Maximum AC Voltage: 750V.

DC/AC Current Measurement

To measure DC or AC current:

1. Turn the rotary switch to the desired DCA (DC Current) or ACA (AC Current) range. For currents up to 20A, use the "20A" jack. For lower currents, use the "VΩmA" jack.
2. Insert the red test lead into the appropriate current input jack (e.g., "20A" or "VΩmA") and the black test lead into the "COM" input jack.
3. Connect the test leads in series with the circuit being measured.
4. Read the current value on the digital display.

Maximum DC Current: 20A. Maximum AC Current: 20A.

Resistance Measurement (Ohm Meter)

To measure resistance:

1. Turn the rotary switch to the desired Ω (Ohm) range.
2. Insert the red test lead into the "VΩmA" input jack and the black test lead into the "COM" input jack.
3. Ensure the circuit or component is de-energized before connecting the test leads across it.
4. Read the resistance value on the digital display.

Measuring Resistance Range: 0-60MΩ.

Capacitance Measurement

To measure capacitance:

1. Turn the rotary switch to the "F" (Farad) range.
2. Insert the red test lead into the "VΩmA" input jack and the black test lead into the "COM" input jack.
3. Discharge the capacitor completely before connecting the test leads.
4. Connect the test leads across the capacitor terminals.
5. Read the capacitance value on the digital display.

Measuring Capacitance Range: 0-100mF.

Non-Contact Voltage (NCV) Detection

The AS-88C features a Non-Contact Voltage (NCV) indicator for detecting AC voltage without direct contact.

1. Turn the rotary switch to the NCV function.
2. Move the top part of the multimeter near the conductor or outlet.
3. The NCV indicator will illuminate and/or an audible beep will sound if AC voltage is detected.

This feature is for indication only and should not be used as a substitute for direct voltage measurement.

True RMS (TRMS)

The AS-88C is a True RMS multimeter, which means it can accurately measure AC voltage and current for both sinusoidal and non-sinusoidal waveforms. This provides more accurate readings in complex electrical environments compared to average-responding meters.

Data Hold Function

Press the "HOLD" button to freeze the current reading on the display. Press it again to release the hold function.

Backlight/Lighting

The multimeter includes a backlight for the display and a lighting function for improved visibility in dimly lit environments. Refer to the device's buttons for activation.

Auto Power Off

The multimeter is equipped with an auto power-off feature to conserve battery life. If no operation is performed for a certain period, the device will automatically shut down. Press any button or turn the rotary switch to power it back on.

MAINTENANCE

Cleaning

Wipe the meter with a dry, soft cloth. Do not use abrasives or solvents.

Battery Replacement

Replace batteries when the low battery indicator appears on the display. Refer to the "Battery Installation" section for detailed steps.

Storage

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

TROUBLESHOOTING

Problem	Possible Cause	Solution
No display or faint display	Dead or low batteries; Incorrect battery installation	Replace batteries; Check battery polarity
"OL" or "OVER" displayed	Measurement range exceeded; Open circuit	Select a higher range; Check for continuity in the circuit

Problem	Possible Cause	Solution
Inaccurate readings	Incorrect function/range selected; Damaged test leads; External interference	Verify function and range; Inspect test leads; Move away from strong electromagnetic fields
Meter does not turn on	Batteries are dead; Auto power-off activated	Replace batteries; Turn the rotary switch or press a button

SPECIFICATIONS

The following table outlines the key specifications for the AS-88C model.

Model	AS-88A	AS-88B	AS-88C
AC Voltage		750V	
DC Voltage		1000V	
AC Current		20A	
DC Current		20A	
Count		6000	
Resistance		60MΩ	
Capacitance		100mF	
Data Hold		✓	
True RMS		✓	
NCV Indicator		✓	
Diodes/Triode	✓	×	✓
Temperature	×	✓	✓
Backlight/Lighting		✓	
Auto Power Off		✓	
Battery		4 x AAA 1.5V	

Figure 2: Specification comparison for AS-88A, AS-88B, and AS-88C models.

Parameter	Specification (AS-88C)
Display Type	Digital Display, 6000 Counts

Parameter	Specification (AS-88C)
Operating Mode	Manual Range
True RMS	Yes
DC Voltage	0-1000V
AC Voltage	0-750V
DC Current	0-20A
AC Current	0-20A
Resistance Range	0-60MΩ
Capacitance Range	0-100mF
NCV Indicator	Yes
Diodes/Triode Test	Yes
Temperature Measurement	Yes
Backlight/Lighting	Yes
Auto Power Off	Yes
Battery Type	4 x AAA 1.5V (Not Included)
Dimensions	19.5 x 9.2 x 5.2 cm
Item Weight	300 g
Manufacturer	YPMart
Country of Origin	China

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact the retailer. Keep your purchase receipt as proof of purchase.

Contact Information

For further assistance, please contact your point of purchase or visit the YPMart official website (if available).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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