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› [Metrel](#) /

› [Metrel MA1110 Three-Phase Cable User Manual](#)

Metrel MA1110

Metrel Contro.instal.eléct - Three-Phase Cable MA1110 User Manual

Model: MA1110 | Brand: Metrel

1. INTRODUCTION

This manual provides essential information for the safe and effective use of the Metrel MA1110 Three-Phase Test Cable. Please read this manual thoroughly before using the product and keep it for future reference.

2. PRODUCT OVERVIEW

The Metrel MA1110 is a specialized three-phase test cable designed for use with CEE 16A connections. It facilitates electrical testing and measurement in industrial and commercial environments.



Figure 1: The Metrel MA1110 Three-Phase Test Cable. This image shows the cable with a prominent red CEE 16A plug on one end, featuring five pins, and a smaller grey multi-pin connector on the other end, designed for connection to a test instrument.

3. SETUP

Before connecting the MA1110 test cable, ensure that all equipment is powered off and de-energized to prevent electrical hazards.

- 1. Inspect the Cable:** Visually inspect the entire length of the MA1110 cable for any signs of damage, cuts, or frayed insulation. Do not use a damaged cable.
- 2. Connect to Test Instrument:** Insert the grey multi-pin connector of the MA1110 cable firmly into the corresponding port on your compatible Metrel test instrument. Ensure a secure connection.
- 3. Connect to CEE 16A Socket:** Insert the red CEE 16A plug into the three-phase CEE 16A power socket you intend to test. Ensure the plug is fully seated.
- 4. Verify Connection:** Double-check all connections to ensure they are secure before proceeding with any measurements.

4. OPERATING INSTRUCTIONS

The MA1110 cable acts as an interface between a three-phase CEE 16A power source and a compatible Metrel test instrument. Its operation is primarily dependent on the functionality of the connected test instrument.

- Power On Test Instrument:** Once the MA1110 cable is securely connected, power on your Metrel test instrument.
- Select Measurement Function:** On your test instrument, select the appropriate measurement function (e.g., voltage, current, phase rotation, insulation resistance) as required for your testing procedure.

- **Perform Measurement:** Follow the specific instructions of your test instrument to initiate and perform the desired measurements. The MA1110 cable will transmit the necessary signals.
- **Disconnect Safely:** After completing measurements, power off the test instrument first. Then, carefully disconnect the CEE 16A plug from the power socket, followed by disconnecting the cable from the test instrument.

Note: Always refer to the user manual of your specific Metrel test instrument for detailed operating procedures and safety guidelines.

5. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your MA1110 test cable.

- **Cleaning:** Clean the cable and connectors with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure connectors are free of dust and debris.
- **Storage:** Store the cable in a clean, dry place, away from direct sunlight and extreme temperatures. Avoid sharp bends or kinks in the cable during storage.
- **Inspection:** Regularly inspect the cable for any signs of wear, damage, or loose connections. Pay close attention to the strain relief areas near the connectors.
- **Avoid Overstretching:** Do not pull the cable by the cord itself when disconnecting; always grasp the plug or connector housing.

6. TROUBLESHOOTING

If you encounter issues with your MA1110 test cable, consider the following common troubleshooting steps:

| Problem | Possible Cause | Solution |
|--------------------------------|---|--|
| No reading on test instrument. | Cable not fully connected; Damaged cable; Incorrect instrument setting. | Ensure both ends of the cable are securely connected. Inspect cable for damage; replace if necessary. Verify test instrument settings. |
| Intermittent readings. | Loose connection; Internal cable fault. | Check and re-secure all connections. If problem persists, the cable may be faulty and require replacement. |
| Physical damage to cable. | Improper handling or storage. | Discontinue use immediately. Replace the cable to ensure safety and accurate measurements. |

If the issue persists after attempting these steps, contact Metrel customer support or a qualified service technician.

7. SPECIFICATIONS

| | |
|----------------------------|--------------------|
| Model Number: | MA1110 |
| Brand: | Metrel |
| Product Dimensions: | 15 x 15 x 11.5 cm |
| Item Weight: | 350 g |
| Color: | Red (for CEE plug) |

| | |
|----------------------------|--|
| Voltage Rating: | 400 V (AC) |
| Wattage: | 7500 Watt |
| Plug Type: | CEE 16A (Type F equivalent for connection) |
| Connector Type: | Plug to Socket |
| Batteries Required: | No |

8. WARRANTY AND SUPPORT

For warranty information and technical support regarding your Metrel MA1110 Three-Phase Test Cable, please refer to the documentation provided with your original purchase or visit the official Metrel website. Contact details for customer service are typically available on the manufacturer's website.

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