

## METREL 20991678

# Metrel A 1316 3-Phase Test Cable Adapter User Manual

Model: 20991678

## 1. PRODUCT OVERVIEW

The Metrel A 1316 is a 3-phase test cable adapter designed for use with various Metrel electrical testing devices. This adapter facilitates the connection of 3-phase electrical systems to compatible test equipment, enabling accurate and safe measurements. It is built to ensure reliable performance in professional testing environments.



Figure 1: Metrel A 1316 3-Phase Test Cable Adapter. This image displays the adapter, featuring a coiled black cable connecting a red CEE 16A 5-pin plug on one end and a standard European Type F (Schuko) plug on the other.

## 2. COMPATIBILITY

The Metrel A 1316 3-Phase Test Cable Adapter is compatible with the following Metrel testing instruments:

- MI 3321
- MI 3310
- MI 3304
- MI 3305

- MI 3308
- MI 3307
- MI 3309
- MI 3311
- MI 2170

Ensure your Metrel device is listed above for proper functionality and safety.

### 3. SPECIFICATIONS

Attribute	Value
Brand	Metrel
Model Number	20991678
Type	3-Phase Test Cable Adapter (16 A CEE)
Height	70 mm
Width	180 mm
Depth	230 mm
Weight	464 g (product only), 520 g (with packaging)
Calibration	Factory calibration without certificate

### 4. SETUP

Follow these steps to properly set up the Metrel A 1316 adapter with your compatible testing device:

1. **Inspect the Adapter:** Before each use, visually inspect the adapter cable and connectors for any signs of damage, wear, or exposed wires. Do not use if any damage is observed.
2. **Connect to Testing Device:** Connect the appropriate end of the A 1316 adapter to the input port of your Metrel testing instrument. Ensure a secure and firm connection. Refer to your specific Metrel instrument's manual for exact port locations.
3. **Connect to 3-Phase Supply:** Plug the 3-phase CEE 16A connector of the A 1316 adapter into the 3-phase electrical supply outlet you intend to test. Ensure the outlet is correctly wired and rated for 16A.
4. **Connect to Appliance (if applicable):** If testing a 3-phase appliance, connect the appliance's power cord to the corresponding outlet on the A 1316 adapter.
5. **Verify Connections:** Double-check all connections to ensure they are tight and correctly seated before proceeding with any measurements.

**Safety Note:** Always ensure the power supply is de-energized before making or breaking connections to prevent electrical shock or damage to equipment. Follow all local electrical safety regulations and guidelines.

### 5. OPERATING

Once the Metrel A 1316 adapter is correctly set up, you can proceed with your electrical measurements using your compatible Metrel testing device. The adapter acts as a bridge, allowing the testing instrument to interface with 3-phase electrical systems.

- **Power On:** Turn on your Metrel testing instrument.
- **Select Test Function:** Choose the desired test function on your Metrel instrument (e.g., insulation resistance, loop impedance, RCD test) according to the specific measurement required.
- **Initiate Test:** Follow the instructions on your Metrel instrument to initiate the test. The adapter will facilitate the connection to the 3-phase circuit.
- **Read Results:** Observe and record the test results displayed on your Metrel instrument.
- **Disconnect Safely:** After completing all tests, ensure the power supply is de-energized before disconnecting the adapter from the 3-phase supply and then from the testing instrument.

**Caution: Never attempt to test live circuits without proper training and safety precautions. Always wear appropriate personal protective equipment (PPE).**

## 6. MAINTENANCE

---

Proper maintenance ensures the longevity and accuracy of your Metrel A 1316 adapter.

- **Cleaning:** Clean the adapter regularly with a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the cable insulation or connectors.
- **Storage:** Store the adapter in a clean, dry place, away from direct sunlight and extreme temperatures. Coil the cable loosely to prevent kinks or damage.
- **Inspection:** Periodically inspect the cable and connectors for any signs of wear, cuts, cracks, or corrosion. Replace the adapter if any damage is found.
- **Calibration:** The adapter is supplied with factory calibration without a certificate. For applications requiring certified calibration, consult Metrel or an authorized service center.

## 7. TROUBLESHOOTING

---

If you encounter issues while using the Metrel A 1316 adapter, consider the following:

- **No Connection/Reading:**
  - Ensure all connections are secure and fully inserted.
  - Verify that the 3-phase power supply is active.
  - Check if the Metrel testing instrument is powered on and functioning correctly.
  - Inspect the adapter cable for visible damage.
- **Inaccurate Readings:**
  - Confirm that the adapter is compatible with your specific Metrel testing instrument (refer to Section 2).
  - Ensure the testing instrument's settings are appropriate for the measurement being taken.
  - Consider if the adapter or testing instrument requires recalibration.
- **Physical Damage:**
  - If the adapter shows signs of physical damage (e.g., cuts, cracks, bent pins), discontinue use immediately and replace it.

For persistent issues, contact Metrel customer support or an authorized service center.

## 8. WARRANTY AND SUPPORT





Information regarding specific warranty terms for the Metrel A 1316 adapter is typically provided with the product packaging or can be found on the official Metrel website. Generally, Metrel products come with a manufacturer's warranty covering defects in materials and workmanship.

For technical support, service, or warranty claims, please contact Metrel customer service or your local authorized Metrel distributor. Provide your product model number (A 1316) and serial number (if applicable) when seeking support.

**Metrel Official Website:** [www.metrel.si](http://www.metrel.si)

© 2023 Metrel. All rights reserved. This manual is for informational purposes only.

### Related Documents - 20991678

	<p><a href="#">Metrel MI 3311 GammaGT Portable Electrical Equipment Tester</a></p> <p>The Metrel MI 3311 GammaGT is a portable, efficient, and easy-to-use instrument for quickly testing portable electrical equipment. It features a color LED indicator for test results, advanced technology for creating custom test sequences, and the ability to store up to 1500 measurement results. The device supports RS232 and USB communication for data transfer and can also read RFID tags.</p>
	<p><a href="#">Metrel GammaPAT MI 3311 Portable Appliance Tester - User Guide</a></p> <p>Comprehensive guide to operating the Metrel GammaPAT MI 3311, covering safety, instrument description, test procedures for Earth Continuity, Insulation Resistance, Substitute Leakage, Polarity, and software installation.</p>
	<p><a href="#">Metrel MI2093 Linetracer: User Manual and Technical Guide</a></p> <p>Comprehensive user manual and technical specifications for the Metrel MI2093 Linetracer, a professional instrument for tracing hidden electrical cables, locating faults, and identifying wires.</p>
	<p><a href="#">METREL A 1532 XA EVSE Adapter Instruction Manual</a></p> <p>Instruction manual for the METREL A 1532 XA EVSE adapter, detailing its features, operation, safety considerations, and technical specifications for testing electric vehicle supply equipment.</p>



### [Metrel Delta Complete Print Pack Guide](#)

This guide provides instructions for setting up and using the Metrel Delta Complete Print Pack, including activating the PATLink Android app, configuring Bluetooth communications with the Godex printer, performing electrical safety tests with the MI 3309 Delta tester, retrieving and generating reports using Metrel PATLink Pro software, charging the battery pack, changing printer media, and troubleshooting common issues.



### [Metrel EurotestXE Electrical Installation Tester - Comprehensive Guide](#)

Detailed information on the Metrel EurotestXE, a compact and lightweight electrical installation tester. Covers features, measurement functions, technical specifications, standard and optional equipment, and the AUTO SEQUENCE® function for efficient electrical safety testing.