SEFRAM 20993213

Metrel 1532 XA EVSE Charging Station Adapter User Manual

Brand: SEFRAM | Model: 20993213

1. INTRODUCTION

This manual provides essential information for the safe and effective use of the Metrel 1532 XA EVSE Charging Station Adapter. This device is designed to facilitate comprehensive testing of Electric Vehicle Supply Equipment (EVSE) charging stations, ensuring their proper functionality and safety compliance. Please read this manual thoroughly before operating the adapter.

2. PRODUCT OVERVIEW

An image showing the Metrel 1532 XA EVSE Charging Station Adapter. The device consists of a main testing unit with various input ports (H, N, PE, L1, L2, L3), control dials, and buttons, connected by a cable to an EV charging plug. The main unit is black and blue with clear markings for connections and controls.

The Metrel 1532 XA EVSE Adapter is a specialized accessory for electrical testers, enabling the simulation of an electric vehicle for testing purposes. It features various connection points and controls to simulate different charging states and measure electrical parameters of the EVSE.

Key Components:

- **Main Unit:** Houses the control dials, buttons, and measurement terminals.
- **EV Charging Plug:** Connects to the EVSE charging station.

- **Measurement Terminals:** L1, L2, L3, N, PE, and H for connecting to a multifunction tester.
- **Control Dials:** For selecting different test parameters or simulating vehicle states.
- **Status Indicators:** (If applicable, based on visual inspection, though not explicitly detailed in input)

3. SETUP

1. **Unpacking:** Carefully remove the Metrel 1532 XA EVSE Adapter from its packaging. Inspect for any signs of damage.

2. **Safety Precautions:** Ensure the EVSE is de-energized or in a safe state before connecting the adapter. Always follow local electrical safety regulations and the instructions of your primary multifunction tester.

3. **Connecting to EVSE:** Plug the EV charging plug of the adapter firmly into the EVSE charging station's socket.

4. **Connecting to Tester:** Connect your compatible multifunction electrical tester to the appropriate measurement terminals (L1, L2, L3, N, PE, H) on the Metrel 1532 XA adapter using suitable test leads. Ensure all connections are secure.

5. **Initial Checks:** Before proceeding with tests, verify that the adapter is correctly connected and that your tester is set to the appropriate measurement function.

4. OPERATING INSTRUCTIONS

The Metrel 1532 XA EVSE Adapter allows for various tests on EV charging stations. The specific tests and procedures will depend on the capabilities of your connected multifunction tester and the EVSE standard being tested.

General Operation Steps:

1. **Power On:** Ensure both the EVSE and your multifunction tester are powered on and ready for operation.

2. **Select Test Mode:** Use the control dials on the Metrel 1532 XA adapter to select the desired test mode or simulate the required vehicle state (e.g., CP state, PP state). Refer to the markings on the adapter for specific dial functions (e.g., 10A, 20A, 32A, 63A for current simulation, or specific resistance values).

3. **Perform Measurements:** Using your multifunction tester, perform the necessary electrical measurements such as:

   - *Continuity of Protective Conductor (PE)*
   - *Insulation Resistance*
   - *RCD/RCBO Test*
   - *Loop Impedance*
   - *Functional Tests (e.g., CP signal, PP resistor simulation)*

4. **Record Results:** Document all test results as required by relevant standards and regulations.

5. **Disconnect:** After completing all tests, ensure the EVSE is de-energized or in a safe state before disconnecting the adapter and test leads.

Note: Always refer to the user manual of your primary multifunction tester for detailed instructions on performing specific electrical tests.

5. MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your Metrel 1532 XA EVSE Adapter.

- **Cleaning:** Clean the adapter's exterior with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure no moisture enters the device.
- **Storage:** Store the adapter in a clean, dry environment, away from direct sunlight and extreme temperatures. Use the original packaging or a protective case if available.

- **Inspection:** Periodically inspect the cables, connectors, and housing for any signs of wear, damage, or loose connections. Do not use the device if any damage is observed.

- **Calibration:** While the adapter itself does not require user calibration, ensure your connected multifunction tester is regularly calibrated according to manufacturer recommendations and relevant standards.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with the Metrel 1532 XA EVSE Adapter.

Problem	Possible Cause	Solution
No readings on tester	Incorrect connection to EVSE or tester; Tester not set correctly; EVSE not energized.	Verify all cable connections are secure and correct. Check tester settings. Ensure EVSE is powered on.
Adapter not recognized by EVSE	Improper plug insertion; EVSE fault.	Ensure the EV charging plug is fully inserted. Check EVSE for error indicators.
Inconsistent test results	Loose connections; Faulty test leads; Environmental factors.	Check all connections. Inspect test leads for damage. Ensure stable testing environment.
Physical damage to adapter	Impact or improper handling.	Discontinue use immediately. Contact authorized service for repair or replacement.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact SEFRAM customer support.

7. SPECIFICATIONS

Attribute	Detail
Manufacturer	SEFRAM
Model Number	20993213
Product Dimensions (L x W x H)	12 x 16 x 34 cm
Weight	1.37 kilograms
Color	Black
Power Source	Battery Powered (likely referring to the connected tester, as the adapter itself is passive)
Compliant Specifications	CE, EN 61010-1
Upper Rated Temperature	85 Degrees Celsius
Measurement Type	Multimeter (refers to the type of device it connects to)
Country of Origin	Germany

8. WARRANTY AND SUPPORT

Return Policy: This product is eligible for a refund/replacement within 30 days of purchase, as per Amazon's return policy.

Spare Parts Availability: Spare parts are available for 1 year from the date of purchase within the EU.

For technical support, service, or warranty claims, please contact SEFRAM customer service or your authorized distributor. Refer to the SEFRAM official website for the most up-to-date contact information.