

PORTABLE CHARGER TESTING KIT

USER MANUAL



INTRODUCTION

The portable charger testing kit is used to test the condition of most charging stations, portable charging stations and charging cables. The front panel is equipped with Type 1 and Type 2 inlets, phase voltage displays, vehicle emulation switches, as well as industrial CEE and domestic Type F socket for testing with a load.

Any other use is not allowed and is regarded as improper use.

Before using the portable charger testing kit, please thoroughly read this manual and follow the instructions provided therein. Please keep the manual for future use. If you are unsure about the proper usage, please contact the manufacturer or your dealer before usage.

IMPROPER USE

Improper use can lead to property damage or personal injury. In such cases, the manufacturer and retailer accept no liability. Warranty will be voided in case of improper use. You must not:

- modify/manipulate the portable charger testing kit!
- drive over the portable charger testing kit!
- use the portable charger testing kit if damaged!
- draw more than 16 A (3680 W)!
- connect unsuitable plugs and cables!

GENERAL SAFETY INSTRUCTIONS



- Carefully read this security instructions before using the product!
- Never draw more than 16 A from the portable charger testing kit!
- Children are not allowed to use the portable charger testing kit.
- Keep animals away while using the portable charger testing kit.
- Avoid liquids entering the portable charger testing kit. Never use the portable charger testing kit if the socket or plug are wet.
- Only connect undamaged, designated and labelled plugs & cables to the portable charger testing kit.

SYMBOLS USED

The following symbols are used in this manual and on the product:

	This symbol indicates a danger with a risk of causing serious injury or death or damage if not avoided.
	CE symbol is a mark of conformity indicating that a product complies with European Union directives and regulations.
	This symbol signifies the requirement for separate disposal of electrical and electronic waste. See chapter disposal.
	Please read the manual before using the portable charger testing kit.
	Risk of electric shock due to dangerous voltage when used incorrectly.
Tamb	Do not use and store the portable charger testing kit below or above the specified temperature.

GET STARTED



- Check the portable charger testing kit before use. Do not use the portable charger testing kit if damaged!
- Socket will provide a high voltage [230 V]!
- Never draw more than 16 A from the portable charger testing kit!
- Do not use the portable charger testing kit if the socket and plug are wet.
- Only connect undamaged, designated and labelled plugs & cables to the portable charger testing kit.
- Avoid using multiple adapter/power strips as they can lead to overload.
- Don't unplug before turning off.
- Always operate in the specified order of steps.

1. Check that switches READY and CHARGE are in position "0".
2. Connect Mode 3 cable, portable charging station or charging station cable Type 2 or Type 1 plug (vehicle side) to the appropriate tester inlet socket.



At no time, can there be both types of cables connected for testing.

3. Connect the charging station side of the cable to power grid/charging station.
4. Switch the READY switch to position "I". This will signal EVSE that car is ready to charge.
5. Switch the CHARGE switch to position "I". This will close the relays/contactors in the charging station/portable charging station and start the "charging" process.
6. Check voltage displays (voltage display will show the AC voltage of the appropriate phase). If any of the three voltage displays does not light up when testing a 3-phase cable, it indicates an error at that phase.
7. Use the RCD test button to check the operation of the RCDA + 6mA DC/RCDB in the charging station. When you press the button you artificially create a charging fault (earth leakage) and the RCD protection in the charging station has to stop charging.



In addition to the RCD in the charging station, the test can also switch off the RCD at the supply (facility) from where the stations are powered, or the most sensitive RCD. This means that if there is NO RCD on the cable or in the charging station, it will switch off the next nearest or most sensitive RCD.

- Optional: connect a load [any electrical appliance with appropriate plug] to either CEE or domestic Type F outlet.



TECHNICAL SPECIFICATIONS

Socket inlett types	Type 1, Type2
Socket outlet types	Type F (Schuko), CEE 16 A
Dimensions (H x W x D)	400 mm x 320 mm x 170 mm
Weight	3600 g



- Never draw more than 16 A from the portable charger testing kit!
- Do not use if plugs/sockets are wet!

CLEANING & STORAGE

Use only a dry or damp cloth for cleaning the unplugged portable charger testing kit. Do not use cleaning detergents. Please secure the portable charger testing kit while transporting it in your vehicle to avoid damage. Store at a dry place.



- The portable charger testing kit must be completely unplugged before cleaning!
- Avoid water getting to contact parts!
- Secure the portable charger testing kit while transporting!

DISPOSAL



The symbol "crossed-out trash can" signifies the requirement for separate disposal of electrical and electronic waste. These devices may contain hazardous and environmentally harmful substances. Please take such devices to a designated collection point for the recycling of electrical and electronic equipment and do not dispose of them in regular household waste. You can obtain further information from local waste disposal services or the company from which you purchased the product.



GREEN PRODUCTION

All our products are produced in a carbon neutral way by using "Sustainable energy cycle" method. Production plant where we make portable charger testing kits is the first fully sustainable production facility for EV charging cables. All energy needed for the heating and cooling of the building, production process and for transportation of goods and employees (except deliveries of heavy materials by trucks), is produced by 2 photovoltaic power plants and stored in 4 storage batteries. Almost all of the raw materials we use (cables, plugs) are produced in EU, to shorten supply routes and support local economy. **Buying our products helps developing sustainable economy.**

LIMITED WARRANTY

METRON warrants its product to the original consumer purchaser that it will repair, or replace, any product that is determined to be defective for the following terms: **Two (2) years from date of purchase on all components.**

To be eligible for repair or replacement under this warranty, the product in question must be sent back to METRON within the warranty period and the original consumer purchaser must comply with the following conditions: The product thereof must not have been modified or altered in any way by an unauthorized source; The product thereof must have been used in accordance with the user manual.

This limited warranty does not cover: Damage due to improper use; Accidental or intentional damage; Misuse, abuse, corrosion, or neglect; Product impaired by severe natural conditions, such as excessive hail storms, lightning strikes, tornados, flooding, ice or other natural occurrences; Damage due to improper packaging on return shipment.

Any and all labor charges for troubleshooting, removal or replacement of the product are not covered by this warranty and will not be honored by METRON.

All shipping costs regarding repair or replacement of the product is to be pre-paid by the original consumer purchaser.

METRON

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