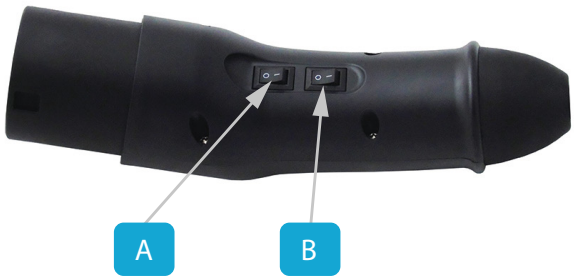
METRON www.metron.si info@metron.si +386 51 320 538

PHASE and CHARGING STATION TESTER

USER MANUAL



INTRODUCTION

This adapter is used to switch on and check charging stations with Type 2 socket.

GET STARTED

There are two switches: first (A) (see picture above) is used to send a signal "cable inserted" to the charging station and second (B) (see picture above) to send a signal "car charging". When both switches are on "1", charging station will switch on. LED on display shows presence of phases L1, L2, L3, neutral N, protective ground PE and the sequence of phases. The sequence is important with certain electric cars like Renault ZOE.
On a 3 phase charging stations all 3 LED's should be green: see Diagnosis Display.

DIAGNOSIS DISPLAY

All displays are green.
The socket is connected correctly. L1, L2, L3, N and PE are present.
The rotating field rotates clockwise.

The phase displays (L1, L2, L3) flash red.
L1, L2, L3, N and PE are present. A phase is interchanged.
The rotating field rotates anti-clockwise.

The phase display L1 is off, L2 and L3 flash red.
Error: Phase L1 is missing or interrupted.

The phase display L2 is off, L1 and L3 flash red.
Error: Phase L2 is missing or interrupted.

The phase display L3 is off, L1 and L2 flash red.
Error: Phase L3 is missing or interrupted

The display N flashes red. The phase displays (L1-L3) may correspond to the diagnoses above (correct or error).
Error: The neutral wire N is missing or interrupted. A phase is interchanged, if an additional phase diagnosis (phase display L1-L3) shows an error.

The PE display is off. The phase displays (L1-L3) and display N may correspond to the diagnoses above.
Error: The earth (PE) is missing or interrupted. No device must be connected to the socket. Let a specialist check the socket.

TECHNICAL SPECIFICATIONS

Voltage supply	380 - 415 V/AC, 50 Hz, three-phase current
Over-voltage category	CAT III (home installation)
Power input	< 20 mA
Plug	Type 2
Dimensions (length)	540 mm
Weight	340 g

GREEN PRODUCTION

All our products are produced in a carbon neutral way by using "Sustainable energy cycle" method. The production plant where we make charging cables and portable charging stations is the first fully sustainable production facility for EV charging cables. All energy needed for the heating / cooling of the building, production process, as well as fortransportation 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.