

CAR MEASURING DEVICE

PCE-EVSE 310



- » PE pre-test
- » Status of the Proximity Pilot PP and the Control Pilot CP
- » Simulation of CP fault "E" and PE fault
- » Mains socket for measuring purposes
- » Safety measuring sockets
- » Optional adapter to type 1
- » incl. type 2 plug

Car Measuring Device

The Car Measuring Device is for VDE 0100 testers to test charging stations (charging mode 3) for electric cars. This adapter can be used with the PCE-ITE 55B installation tester or with most other standard VDE 0100 testers. Thanks to the LEDs for voltage detection on the 3 phases, it can be quickly determined if there is an installation error.

The PP State rotary switch can be used to simulate the current carrying capacity of the charging cable. The current carrying capacity is simulated with various resistors in the Car Measuring Device, which are connected between PP and PE conductors. Various vehicle states can be simulated using the CP State rotary switch. The vehicle states are simulated with different resistors connected between the CP and PE conductors.

An external load can be connected to the socket. This output is only intended for measuring purposes and offers the option of checking the function of the electricity meter. The Car Measuring Device can also be used to simulate a PE fault (earth fault). The Car Measuring Device is supplied in a device bag. There is also an optional adapter for wallboxes with a type 1 connection.

Specification

Test functions	
PE pre-test	yes, with capacitive electrode
PP simulation	offen, 13 A, 20 A, 32 A, 63 A
CP status	A, B, C, D
CP error 'E'	E
PE fault / earthing fault	Yes

General technical data	
Cable length	25 cm
Connections	L1, L2, L3, N, PE
Connections additional information	max. 230V (1-phase) / 430V (3-phase) ; 50 / 60Hz 10A / 250 V Type 2 plug permanently attached to the cable (optional adaptor required for type 1)
Standard(s)	IEC62196-2 type 2 plug
Safety standard	CAT II / 300V
Mains socket	max. 250 V; 50/60 Hz; 10 A
Outputs	2 pcs. 4mm sockets (signal output terminals)
Fuse(s)	Mains socket T10A/250V
Protection class (device)	IP40
Operating conditions	0 ... 40 °C , 0 ... 80 % RH
Storage conditions	-10 ... 50 °C , 0 ... 80 % RH
Dimensions (L x W x H)	600 x 105 x 73 mm
Weight	643 g