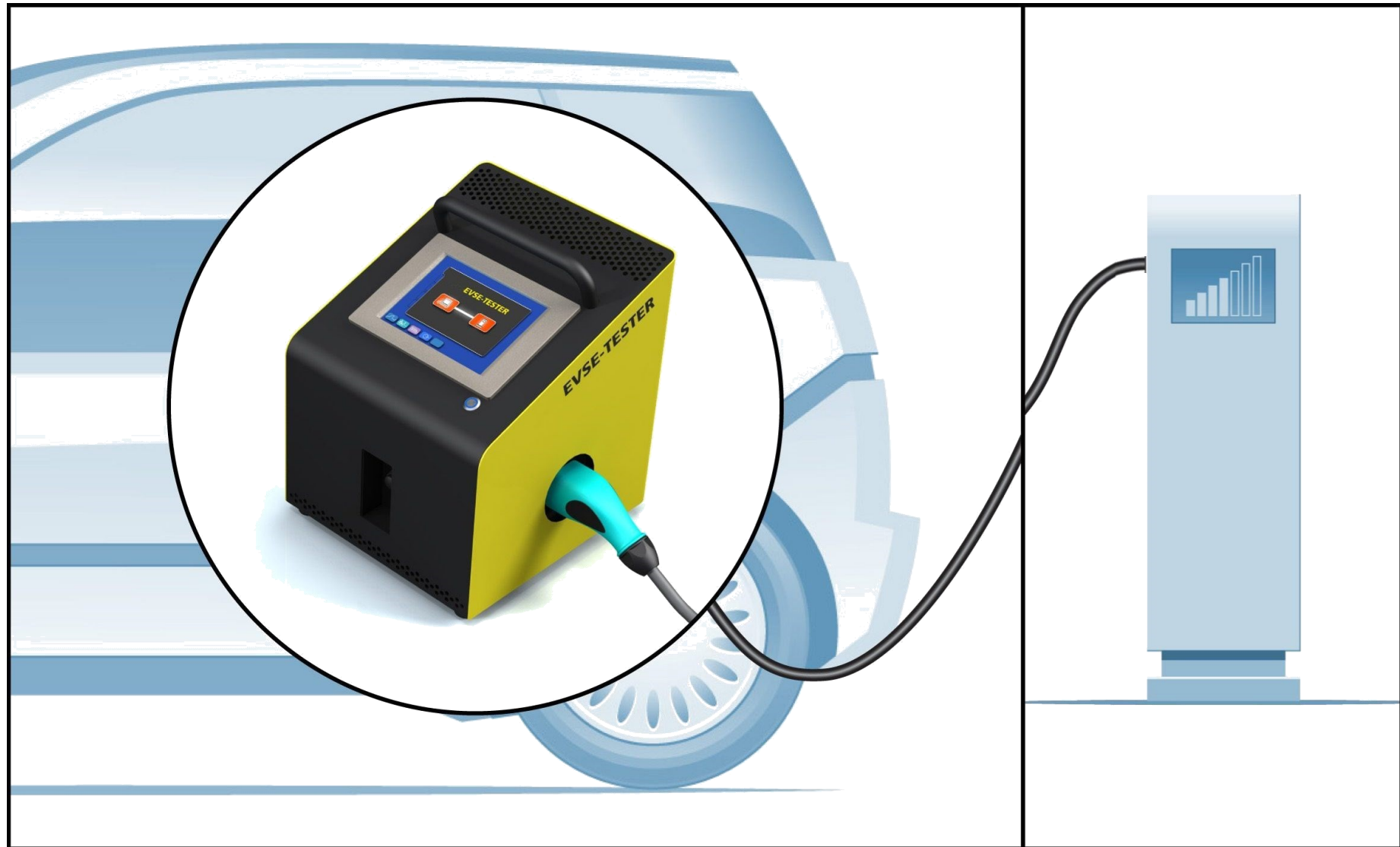


EVSE-TESTER[©] for testing AC or DC charging stations



The EVSE-Tester emulates the functions when charging an electric vehicle in order to check AC/DC charging stations. The monitoring and analysis of all charging operations (according to ISO 15118, IEC 61851, DIN 70121) is being enabled by this particular device in a simple manner.

The EVSE-Tester© has been developed in order to be able to control the complex issue of charging electric vehicles. The EVSE tester© makes it possible to simulate the multiple electric vehicle models to test a broad variety of charging facilities.

The EVSE-Tester© can be used for fully automatic or manually standardized test cases aiming to check charging stations.

During the test phase, the EVSE-Tester can load a charging station with up to 1 kW.

An integrated oscilloscope allows for the analysis of the CP, L1, L2 and L3 voltage.



All test results are automatically being stored in a PDF protocol file. Hence the EVSE-Tester© is a valuable tool to ensure a reliable and error-free operation of charging stations.

The EVSE-Tester© is equally suitable for use in development and the production of charging stations, as well as for verification of charging stations in the field, e.g. by servicepoints.

FEATURES

PLC-test according to ISO 15118: 2013 and DIN 70121:2012

- Complete V2G-Cycle | SECC | SLAC Test
- All tests are individually adjustable

PWM

- EVSE response to different PWM voltage level
- EVSE PWM frequency measurement
- EVSE PWM duty cycle measurement
- Additional analysis of the PWM signal via integrated oscilloscope

Charging voltage

- Measuring of the charging voltage L1, L2 and L3 or DC
- Measuring of the angle of rotation of the charging voltage L1, L2 and L3
- Measurement of the PP-resistance
- Examination of the charging station under load through built-in load resistors
- Automatic cut off if overcurrent and overheating of the load resistors

Case

- Charging plug IEC 62196 Combo Type 2 (AC and DC)
- Compact design and integrated battery makes mobile use possible
- Controlling of the EVSE Tester © via a built-in PC with LCD touch screen
- Storing of all test results in a log file / PDF

	Technical data
Device Power Supply	90 - 260 VAC
Power consumption	Approx. 20 W
Build in accumulator	12V 3,4 Ah
Operation time accumulator	Approx. 1,5 h
Operating temperature	0 to 40 °C
Storage temperature	-10 to 60 °C
Relative Humidity	15% - 70% (non-condensing)
Connection to charging device:	Combo Typ 2 (IEC 62196)
Charging test consumption	max. 1 KW
Display	LCD, LED, 8,2", Touch sensitive, 800 x 600 Pixel
Mass storage	SSD-120 GByte, 2 GByte RAM
Cooling	Passiv
Operation system	Windows 7 Professional
Standardize	ISO/IEC 15118, ISO/IEC 61851, IEC 62196, DIN 70121
PWM/PLC-Module	1 x hse-electronics EVC Kit 1 x QCA-7000 Chipset PWM Measuring range: -30 to +30 V PWM amplitude: 3-12V adjustable PWM analysis: frequency and duty cycle
Software	Automatic test with V2G implementation PWM control and analysis software oscilloscope software
Case connectors	1 x USB 2.0
Dimensions	w: 34 cm; h: 41 cm; l: 36 cm
Case-Material	Aluminium
Weight	8 Kg

