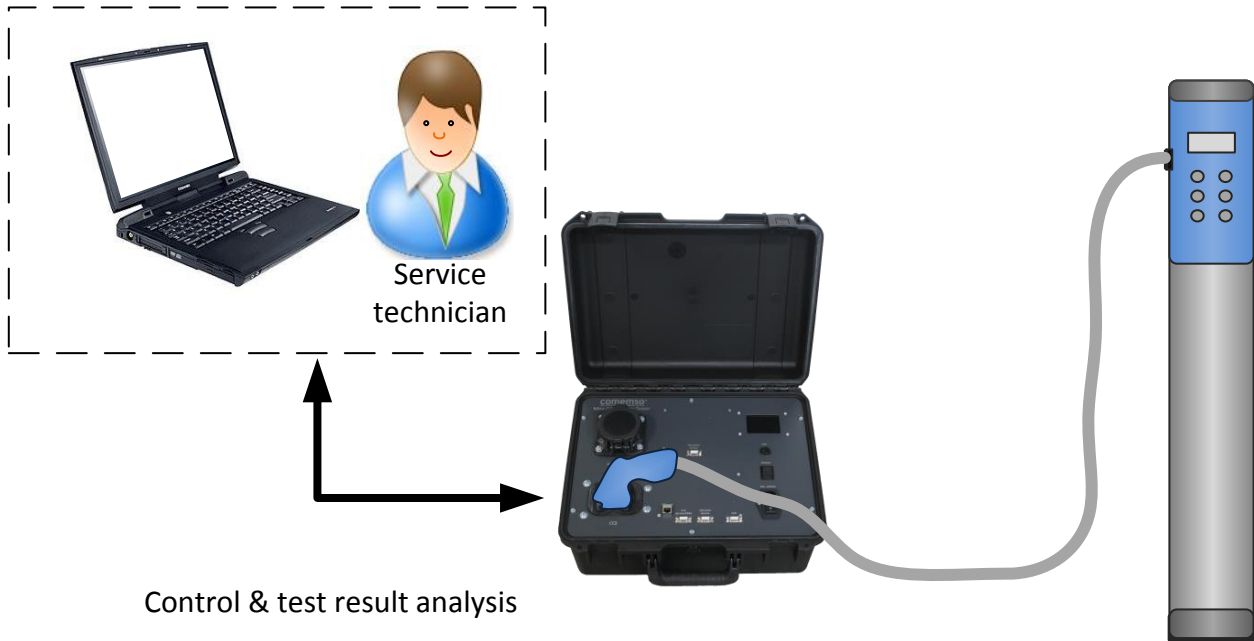


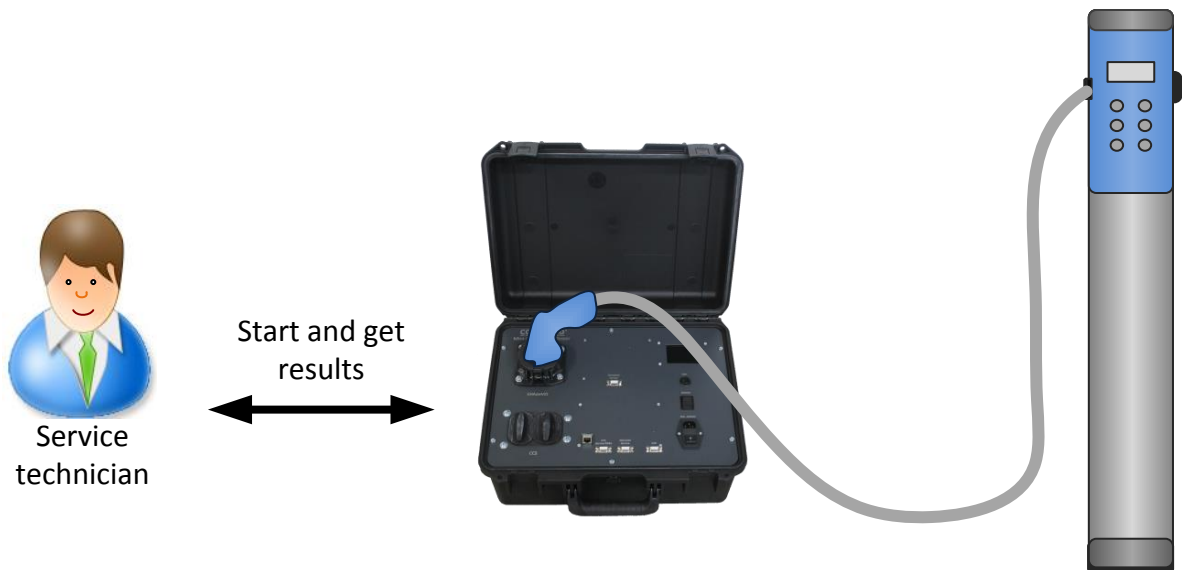
Combined Mini-Charger-Tester

Tester for charging tests with pass/fail results. Test of EVSE after production or maintenance.

DC-CCS function



CHAdeMO function



Please contact for more information:

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www.comemso.com

comemso[®]
your partner for complex embedded solutions

Combined Mini-Charger-Tester

Features



Test of EVSE / Charger in field application

Full automatic:

- ▶ EV-Simulation on communication to get EVSE charging
- ▶ EV-Simulation on DC load circuit, which fits to communication

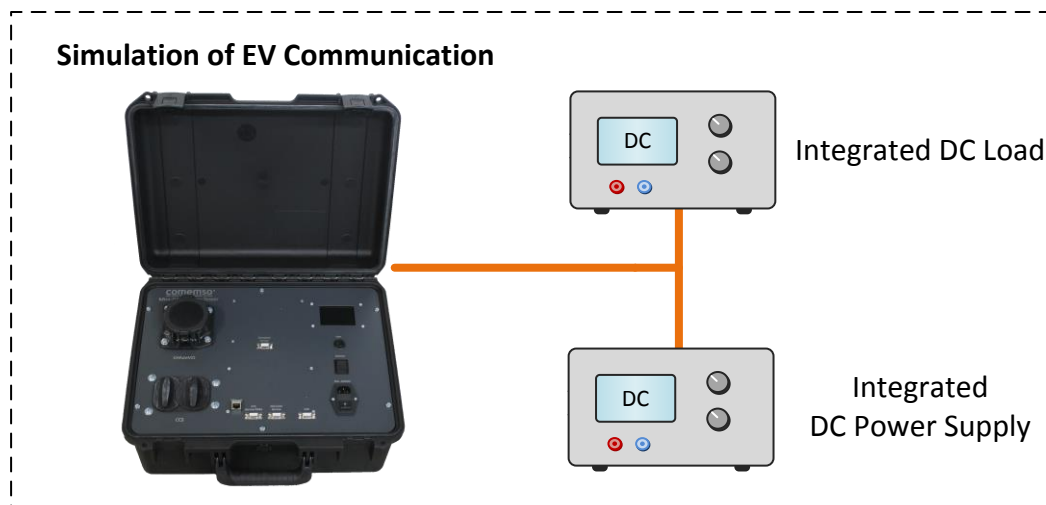
Simple and quick test, no knowledge of standard required

Output of measured DC Voltage and DC Current

Output of communication progress

Output of test result (Pass / Fail) depending on charging possibility

Comemso combined Mini-Charger-Tester



Comemso meets new challenges with aftersales application

Developments and aftersales services for e-mobility present new challenges for vehicle- and charging-system manufacturers. The number of chargers in the field increases and therefore also the efforts in the service applications. After each service of chargers there is a final test required, if the charger is still proper working to ensure that nothing has been forgotten at the service work. To test this there is either a real EV required or a small mobile automatic tester such as the comemso combined Mini-Charger-Tester. The benefit of a small mobile tester even increases on a service for multi-charger-systems, where CCS and CHAdeMO have to be tested at the same service activity. The combined Mini-Charger-Tester can be used at the service application, maintenance and at the production as a simple end-of-line test.



Laboratory in a trunk:
Laptop, inverter (12V to 230V) and battery*.



Compact and robust design for comfortable outdoor use
(here: DC-CCS test).

* Components not offered by comemso.

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Combined Mini-Charger-Tester

Technical data

General

AC Power Supply Voltage:	100 .. 240 VAC (Input)
Weight:	15 kg
Size (L x W x D):	500 mm x 400 mm x 240 mm
Operating Temperature:	-15 .. 40 °C
Interface:	CHAdEMO: Display DC-CCS: CAN 1MBit/s, Ethernet
Test / Analyze Standards:	CHAdEMO: Version: 0.9.1, 1.0.0, 1.0.1 and 1.1 DC-CCS: DIN 70121 or ISO 15118 (selectable at PC Software, software is included)
Power Consumption:	max. 2000 VA

Measurement Range, Accuracy, etc.

DC-CCS Measurement

Voltage Measurement:

Range	0...1000V
Resolution (CAN Interface)	+/- 100mV
Accuracy (gets calibrated)	+/- 1V

Current Measurement:

Range	0 .. 5 A
Resolution (CAN Interface)	+/- 100mA
Accuracy (is not calibrated)	+/- 1A

RCD-Sensor Measurement:

Range	+/- 30mA
Resolution (CAN Interface)	+/- 100µA
Accuracy (is not calibrated)	+/- 5mA

EV Simulation

Voltage	300 .. 350 V (output)
Current	ca. 5 A

Others

CHAdEMO:

Notebook	not required
Protocol / Result	Graphical on Display

DC-CCS:

Notebook	required, OS Win 7 (Win 8/10 currently not supported)
Protocol / Result	Graphical on Panels + CSV report

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