comemso®
your partner for complex embedded solutions

COMBINED MINI-CHARGER-TESTER

For DC-CCS and CHAdeMO

electric mobility south-west

INVENTED IN GERMANY

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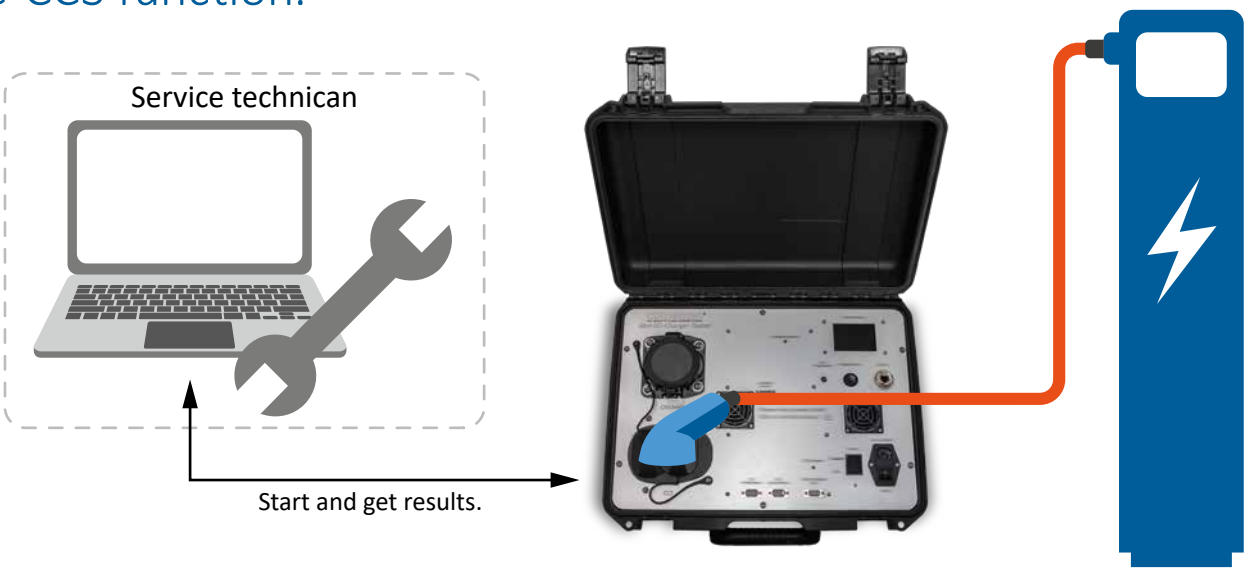
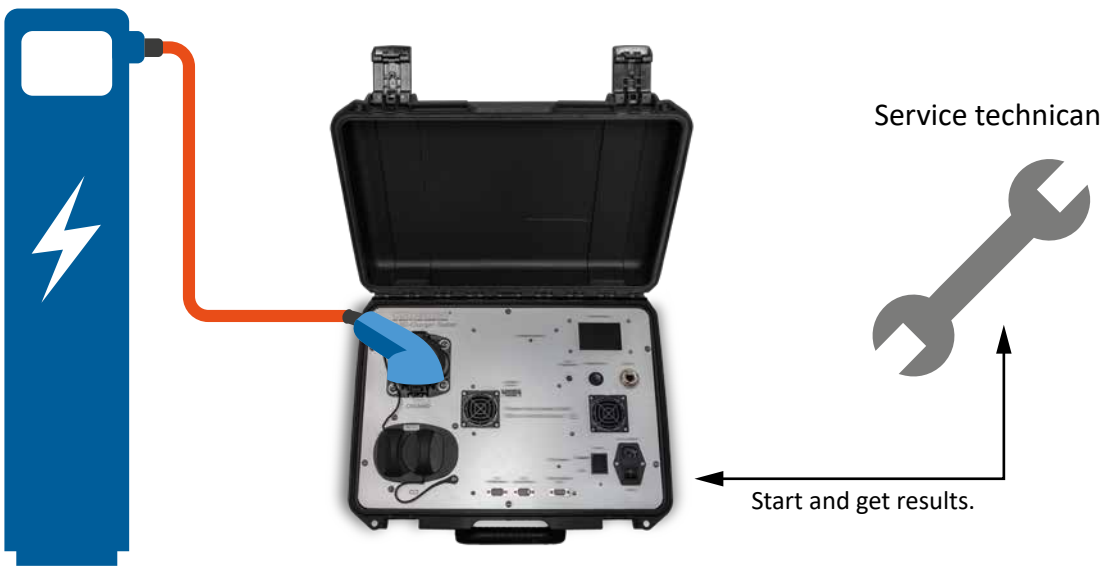
TESTER FOR CHARGING TESTS WITH PASS/FAIL RESULTS.

The combined Mini-Charger-Tester can be used at the service application, maintenance and at the production as a simple end-of-line test.

DC-CCS function.



CHAdeMO function.



- Test of EVSE / Charger in field application
- Fully automatic:
  - ► EV-Simulation on communication to get EVSE charging
  - ► EV-Simulation on DC load circuit, which fits to communication
- Simple, 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 option

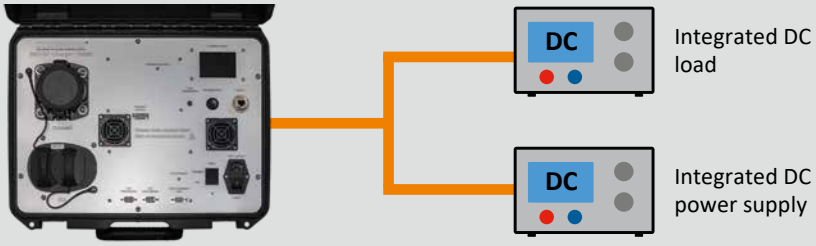
comemso meets new challenges with aftersales application.

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, a final test is required to confirm the charger is still working properly and to ensure that nothing has been forgotten at the service call or maintenance. To test this, either a real EV is 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 call or maintenance.

Laboratory in your case: Laptop, inverter (12V to 230V) and battery. (Components not supplied by comemso.)

Compact, robust design for comfortable outdoor use. In this picture you can see a DC-CCS test.

Simulation of EV simulator



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
CAN:	**CHAdeMO:** Display **DC-CCS:** CAN 1MBit/s, Ethernet
Test/analysis 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

Simulation range, accuracy etc.

DC-CSS measurement

Voltage measurement:	
Range	0 .. 1000 V
Resolution (CAN Interface)	+/- 100 mV
Accuracy (calibrated)	+/- 1 V
Current measurement:	
Range	0 .. 5 A
Resolution (CAN Interface)	+/- 100 mA
Accuracy (not calibrated)	+/- 1 A
RCD-sensor measurement:	
Range	+/- 30 mA
Resolution (CAN Interface)	+/- 100 µA
Accuracy (not calibrated)	+/- 5 mA

EV simulation

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

Others

CHAdeMO	
Notebook:	not required
Log/Result:	Graphical on display
DC-CCS	
Notebook:	required, OS Win 7, 8 or 10
Log/Result:	Graphic on panels + CSV report

comemso_MINI-CHARGER-TESTER_2019-03

comemso GmbH
Karlsbader Str. 13
D - 73760 Ostfildern
Mail: sales@comemso.de
Phone: +49 711 500 900 40
www.comemso.com

comemso®
your partner for complex embedded solutions