comemso

EVCA ComOnly Flex

The complete solution
for your EVCC & SECC Challenges

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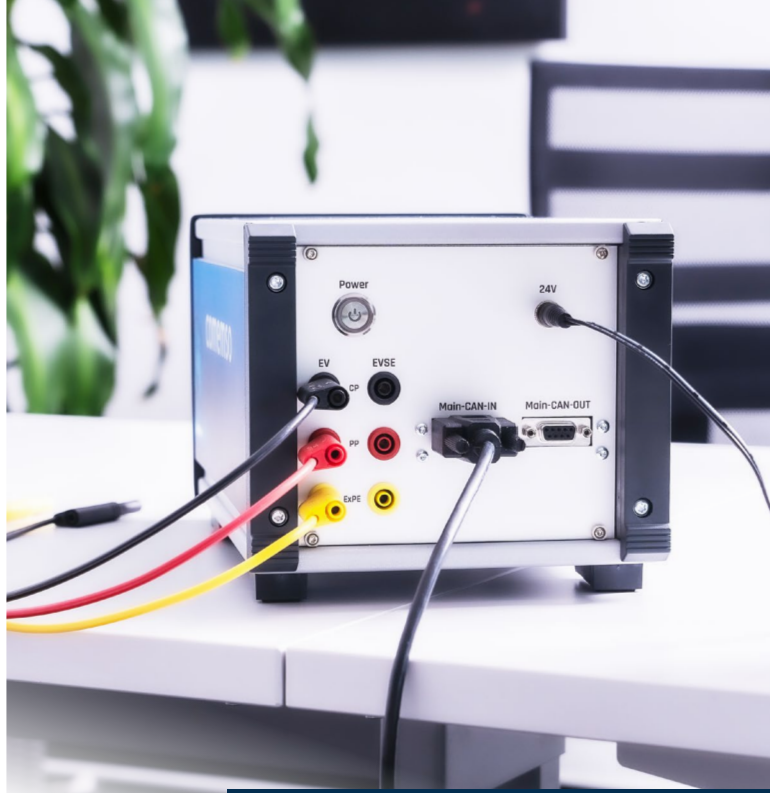
Smart test setup for your table

The EVCA ComOnly from comemso electronics sets the standard for developers and testers in the field of electromobility to a higher performance. This compact and easily connectable device via insulated banana sockets delivers the proven performance of our EV Charging Analyzer/ Simulator (EVCA).

The EVCA ComOnly represents the reduced version of our EVCA Flex technology, now available in the „Communication Only“ version for the Charge Controler test application on protocol level.

The new product offers the flexibility and future-proofing needed for advancing e-mobility infrastructure. It can be easily upgraded to a full-power EVCA Flex system to extend capabilities as your requirements grow. This device supports precision, efficiency, and standard compliance for charging protocols, making it an essential tool for developers and testers in electromobility.



“We extend our gratitude to Charin and the companies involved in the validation team for the CCTS, as well as all the pioneers in the e-mobility sector. Their contributions are instrumental in driving innovation in electromobility and in establishing a future founded on quality, safety, and reliability.“

Anita Athanasas,
Co-founder and CCO
comemso electronics GmbH

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Key Features

Comprehensive simulation
Simulates communication according to IEC 61851-1, DIN 70121, ISO 15118-2/3, and the latest ISO 15118-20, as well as NACS, covering a wide range of applications.

Signal quality measurement
Continuously monitor the standard conformity of your communication signals, ensuring precision in every charge.

Protocol analysis
Gain detailed insights into AC, CCS, and NACS communication protocols with automatic conformity analysis relative to charging standards.

Standards compliance
Test standards compliance using our CharIN-validated test system and libraries for DIN 70122 and ISO 15118-4/5 (CCTS - CharIN CCS Test System), ensuring your systems meet the latest standards.

Charge playback
Replay the communication protocols in the laboratory that you have previously recorded with an EVCA in the field (or ask us for field measurements that you can „replay“ as a simulation).

Application Examples

Developers and Testers of EVCC
Analyze and simulate communication protocols for electric vehicle communication controllers, ensuring standards compliance and system reliability.

Developers and Testers of SECC
Test and validate communication protocols for supply equipment communication controllers, enhancing interoperability and meeting industry standards.

Service Providers / Engineering
Companies: Offer advanced testing and simulation services to ensure client systems are compliant and reliable.

Universities and Research Institutions
Conduct research and development on communication protocols in electromobility, contributing to advancements in EV and EVSE technologies.

Usable Software
- comemso com.frame
- Vector CANoe + comemso project

Package contents
- EVCA ComOnly
- Power Supply for 24V DC
- CAN cable / CAN termination
- Firmware update kit
- Quick Start Guide
- Hardware User Manual
- Software User Manual

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Technical Specification

Model Number	116-2-015 – CCS Core for ComOnly
	116-2-016 – CCS Core for ComOnly, with PLC-Sniffer
	116-1-011 – CCS ComOnly Case
Dimension	18.6 x 15.8 x 32.6 cm
Weight	3 kg
Connections	Insulated Banana Sockets, SUB-D9 for CAN data, RJ45 for PLC data, 24V DC power In
Protocol Support	AC, CCS, NACS
Simulation Capabilities	IEC 61851-1, DIN 70121, ISO 15118-2/3/20
Compliance Testing	CharIN-validated, DIN 70122, ISO 15118-4/5
Functions	Signal Quality Measurement, Protocol Analysis, ChargePlayback of recorded/modified protocol behavior

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