ADVANTICS

POWERING YOUR
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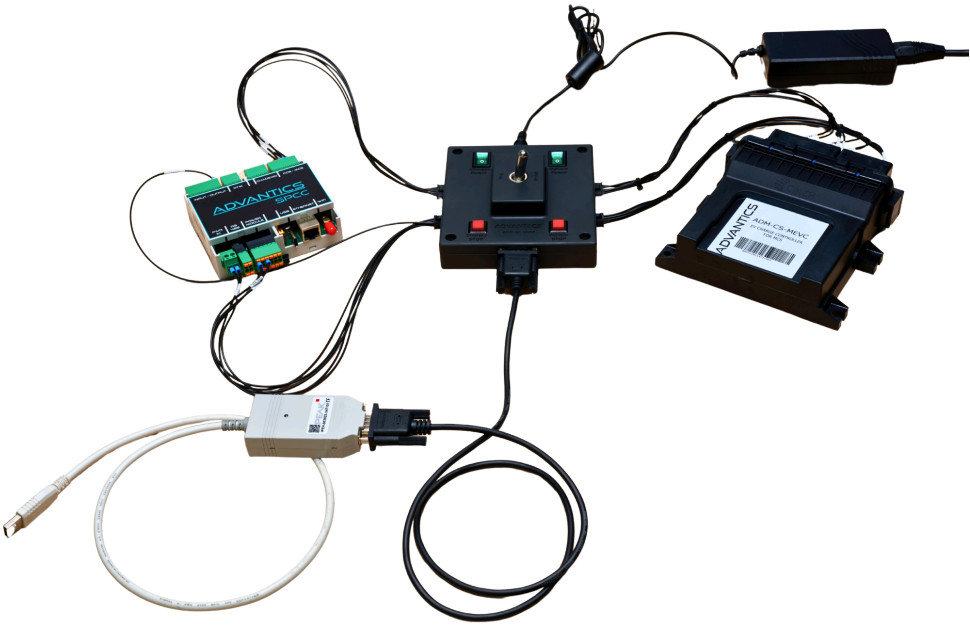
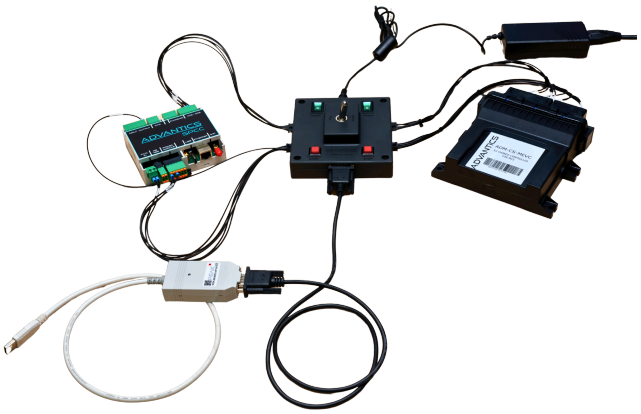
EV and Charger Emulator

ADS-CS-PK

Version 20261026



General Information



ADS-CS-PK is a charge controller emulator that generates real hardware signals, including CP, PP and PLC for CCS, and CE, ID, and 10BASE-TIS for MCS to simulate a complete charge communication session. It can operate as an EV or EVSE simulator allowing developers to exercise the full protocol state machine on the bench without energised power circuits.

Key characteristics

- All signals, state transitions, and message exchanges exposed in real time through a browser-based interface
- No proprietary software or additional licenses required
- Connection and disconnection sequences can be triggered manually
- Runs the same communication stacks as ADVANTICS charge controllers

Technical Resources

To get started with the user manual or get further assistance: documentation.advantics.fr

To discover our products portfolio and solutions for your industry, visit: advantics.fr/products

Specifications	
Parameters	**Values**
Emulation Modes	Vehicle-side (EVCC), Station-side (SECC), or both
CCS	DIN SPEC 70121, ISO 15118-2, ISO 15118-20
NACS	SAE J3400
MCS	IEC 61851-23-3, ISO 15118-20, ISO 15118-10
Power Transfer	Communications-only (powered variants coming soon)
User Interface	Browser-based, accessible over Ethernet
CCS Communication Signals	Control Pilot (CP), Proximity Pilot (PP), PLC
MCS Communication Signals	Charge Enable (CE), Insertion Detection (ID), 10Base-T1S for MCS
Connectivity	Ethernet (RJ45)
Input Voltage	24 V power supply included
Form Factor	Portable / bench-top
Software Licenses	None required
Documentation	Publicly available online
Support	ADVANTICS Helpdesk included
Design and Manufacturing	EU
Emulator Packages	
MCS vehicle communication	ADS-CS-MEVC
CCS vehicle communication	ADS-CS-EVCC
MCS & CCS charger communication	ADS-CS-SPCC

Please note that the technical data presented is for reference only and may be subject to change without prior notice.

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