Precision at every charge

Easy Chester® Calimera

comemso

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German Precison to trust in charging stations

The Easy Chester® Calimera is a highly advanced device designed to ensure precision and trust in every transaction at your charging stations.

Our 150 kW mobile test system for calibrating charging stations in the field according to ISO 17025 and German Eichrecht, it is essential for calibration laboratories, charging station manufacturers, and infrastructure operators.

With the brand new software comframe

Technical Advantages

The Easy Chester® Calimera is engineered for precise and reliable measurements, ensuring that your charging stations operate within strict calibration standards. This device is essential for maintaining accuracy and compliance in the rapidly evolving e-mobility sector.
For detailed information and to explore how the Easy Chester® Calimera can enhance your operations, please contact us.

Key Features

Verified Accuracy

Ensures customers are billed accurately according to their electricity tariffs.
The Easy Chester® Calimera ensures compliance with calibration laws, providing reliable measurement and verification in the field.

Advanced Measurement Capabilities

Integrated cross-measurement features ensure high accuracy in every charging session and power range.

Mobility and Flexibility

Easily transportable using a trailer or van, enabling on-site testing of charging stations. This improves efficiency and reduces downtime maintaining calibration standards across multiple locations.

Proven Performance

The Easy Chester® Calimera builds on the robust and user-friendly design of previous Easy Chester® mobile field tester devices for service technicians, requiring only basic electrical engineering knowledge and minimal training. The core technology bases on a proven product family established worldwide since 2016 with a superior price-to-performance ratio.

Industry Expertise

As a full member of the DKE standardization group and a CharIN© regular member, comemso electronics supports the standardisation of the latest requirements for DC (and AC) charging station calibration interface.

Comprehensive Software Support

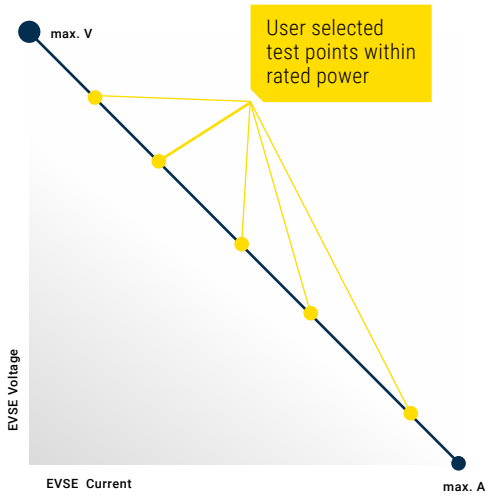
Easy Chester Calimera' s PC software (Windows) provides extensive functionality for user-friendly configuration, management, operation and monitoring.

Application Examples

Charging infrastructure operators
Use the Easy Chester® Calimera to ensure all charging stations meet legal calibration requirements.

Technical service providers
Use the device to perform quick and accurate on-site calibrations, minimizing downtime.

Governmental labs and German Eichrecht authorities
calibration authorities utilize the Easy Chester® Calimera for verifying and certifying the accuracy of charging stations, ensuring compliance with legal standards.



Software Features

Configuration
Configure the test points and duration, if manual test points are desired.

Automated test
Get EVSE related automated tests.

Real-Time Monitoring
View the measurements of DC current and DC voltage via the Chart (oscilloscope-like view) or the Measurements section.

Device Status and Events
See the current status of the test device and get information in case of errors.

Report Generation
Save the test report as PDF file.

comemso e-Mobility Services GmbH has an accredited calibration laboratory according to ISO 17025 for up to 1000 V DC and 500 A DC calibration.

Products

118-1-080 –
Easy Chester® Calimera

118-1-081 –
Easy Chester® Calimera incl. Power Meter and Mobile Car Trailer

118-1-082 –
Easy Chester® Calimera incl. Power Meter

Made in Germany

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Technical Specification

Communication protocols	DIN 70121 / ISO 15118 -1 / -2 with DC-CCS, ISO 15118 -1 / -2 with AC (1-/3-phase), optional NACS and CHAdeMO	
Max. simulated load ratings	DC power rating	up to 150 kW
	DC voltage / current	up to 1000 V ⎓ / 500 A ⎓
	AC voltage - 1phase	100 V - 240 V ∼
	AC current - 1phase	up to 32 A ∼
	Remark	3-phase ∼ measurements to be measured sequentially
Measurement range / accuacy Related to auxiliary power meter	Charging station DC - output voltage	0 - 1000 V tmrs
	Charging station DC - output current	-600 A rms / +600 A rms
	Measurement accuracy	0,01% Fullscale (0-10Hz)
	Charging station AC - output voltage	0 - 600 V tmrs (1-phase)
	Charging station AC - output current	-200 A rms / +200 A rms
	Measurement accuracy	0,02% Fullscale (0-500 kHz)
	Frequency counter	150 MSps
Measurement modes	Crossover energy measurement with DC V max / I min and V min / I max Arbitrary / user selected test points within rated power Calibration law-conform measurement according to charging power limits	
Auxiliary interfaces (Front)	2x AC sockets (Type F) for auxiliary devices, e.g., notebook, reference power meter 2x banana plugs (isolated) for reference measurements of DC voltages	
Software features	Test device and experiment configuration, real-time monitoring, test control, device status, event logging, PDF-report generation	
Calibration	ISO 17025 calibration with certificate	
Norm conformity	Industrial safety	ISO61010-1
	EMC	IEC 61326-1:2020
Supply	AC voltage (1-phase) 187 - 265 V ∼ (45 - 65Hz); integrated buffer battery + solar panel for operation up to 8 hours without external supply	
Power consumption	Max. 1.000 W (not including aux. devices)	
Temperature range	0 - 40°C / 32 - 104 °F	
Humidity range	< 85%	
Max. test run period	30min without thermal recovering	
Transportability	Suitable for trailer or van transportation (van option on request)	
Dimension (WxHxD)	122 x 105 x 307 cm without trailer, 168 x 176 x 410 cm with trailer	
Weight	700 kg without trailer, 1030 kg with trailer	

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