

Product Datasheet - Technical Specifications



More information in our Web-Shop at ► www.meilhaus.com

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EIS
measurement
system

ALDAS

Active Line Device Analysis System

From single cells to MW-class systems



ALDAS-α



ALDAS-Mini



ALDAS-E

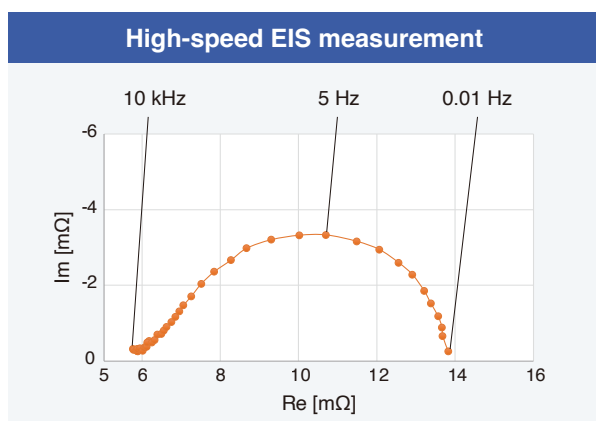
Standardized EIS: From Research to Real-World Operation

DUT
(Device Under Test)

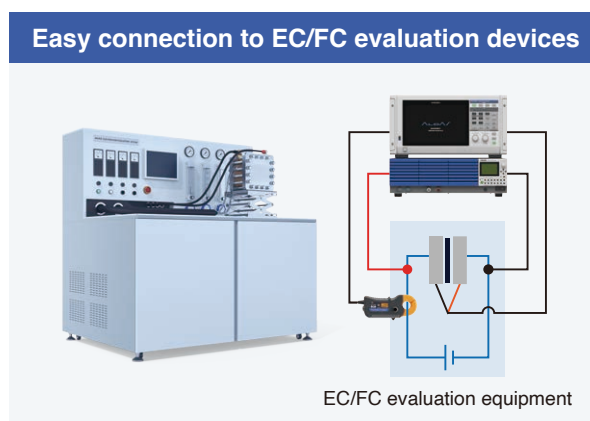
Water electrolysis cell/stack
(PEM, AWE, SOEC, AEM, etc.)

Fuel cell/stack
(PEM, SOFC, PCFC, etc.)

Co-electrolysis cell



ALDAS cuts the evaluation cycle to approximately 7.6 minutes by accelerating the typically lengthy low-frequency impedance measurements.



ALDAS seamlessly integrates with existing equipment, eliminating complex wiring and significantly reducing setup time.

Standardized EIS: From Research to Real-World Operation

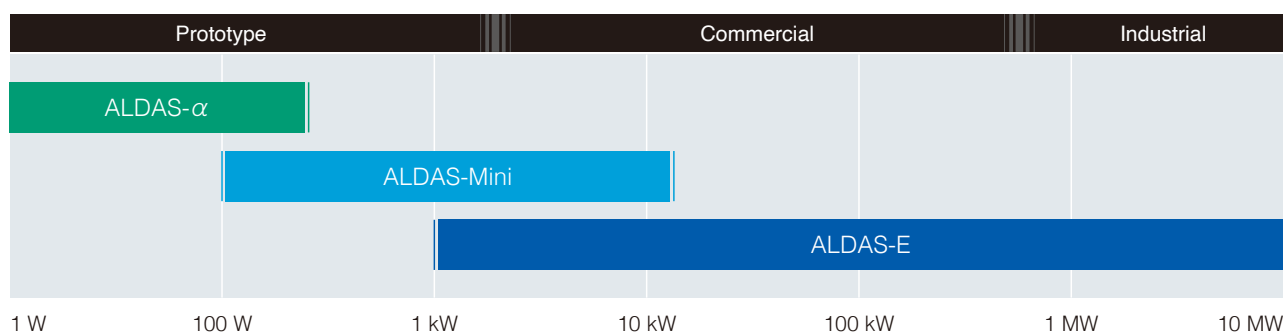
ALDAS- α



ALDAS-Mini



ALDAS-E



ALDAS- α

Lab-scale EC/FC cell EIS measurement: ALDAS- α requires no booster power supply and can apply up to 20 A DC directly from the measurement system itself.

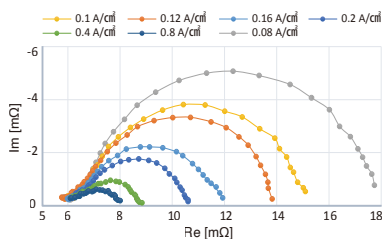


DC Output: ± 20 A
EIS: 10 mHz to 100 kHz
Max. input voltage/current: 20 V/ 50 A



ALDAS-Mini

Accelerate research by measuring simultaneous EIS on up to 8 channels, perfect for large-area cells and demonstration stacks.

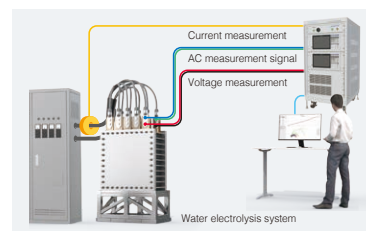


EIS: 10 mHz to 100 kHz
Max. input voltage/current: 60 V/ 2000 A



ALDAS-E

Reliable multi-channel EIS for MW-class electrolyzers, delivering high-precision data from up to 48 channels even in noisy industrial settings.



EIS: 10 mHz to 100 kHz
Max. input voltage/current: 1 kV/ 10 kA

