HIOKI

ALDAS series

NEW

EIS measurement system

ALDAS

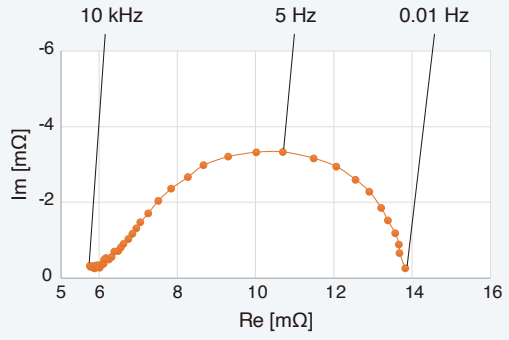
Active Line Device Analysis System

From single cells to MW-class systems

Standardized EIS: From Research to Real-World Operation

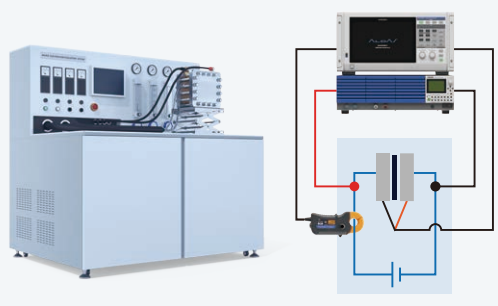
DUT (Device Under Test) | **Water electrolysis cell/stack** (PEM, AWE, SOEC, AEM, etc.) | **Fuel cell/stack** (PEM, SOFC, PCFC, etc.) | **Co-electrolysis cell**

High-speed EIS measurement



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

Easy connection to EC/FC evaluation devices



EC/FC evaluation equipment

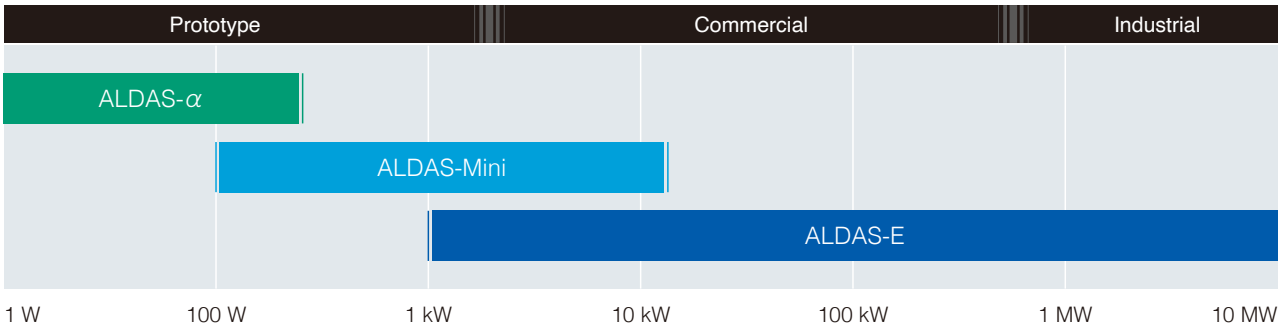
ALDAS seamlessly integrates with existing equipment, eliminating complex wiring and significantly reducing setup time.

Standardized EIS: From Research to Real-World Operation

ALDAS-α

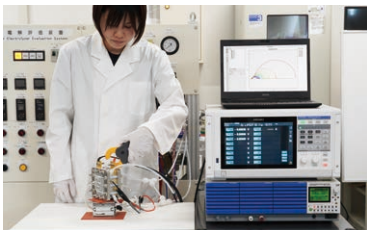
ALDAS-Mini

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.



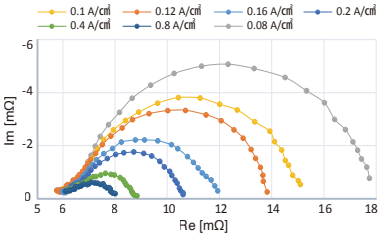
DC Output: ±20 A
EIS: 10 mHz to 100 kHz
Max. input voltage/current: 20 V/ 50 A

For more details

https://www.hioki.com/global/products/specialized-solutions/advanced-tech/id_1269042

ALDAS-Mini

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



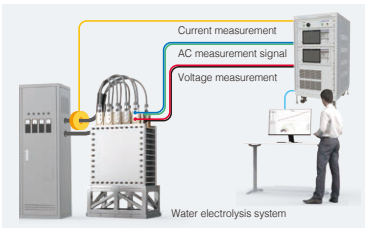
EIS: 10 mHz to 100 kHz
Max. input voltage/current: 60 V/ 2000 A

For more details

https://www.hioki.com/global/products/specialized-solutions/advanced-tech/id_1267153

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

For more details

https://www.hioki.com/global/news/detail/id_n1266963

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