

EIS
measurement
system

ALDAS

Active Line Device Analysis System

From single cells to MW-class systems



ALDAS-α



ALDAS-Mini



ALDAS-E

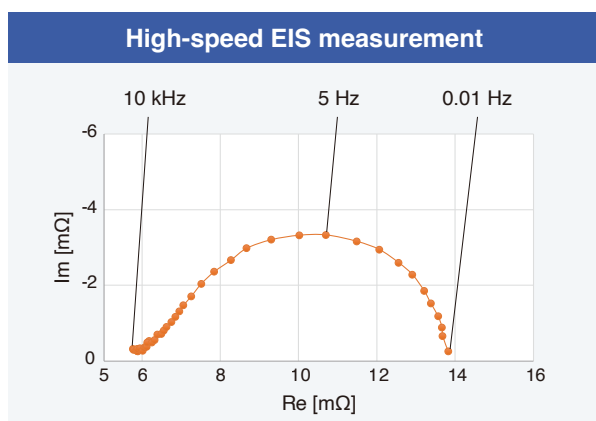
Standardized EIS: From Research to Real-World Operation

DUT
(Device Under Test)

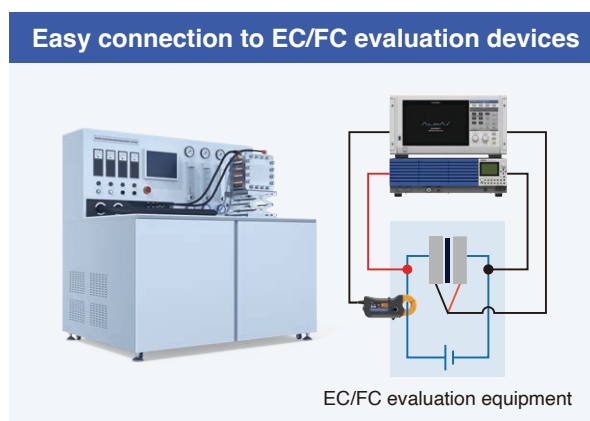
Water electrolysis cell/stack
(PEM, AWE, SOEC, AEM, etc.)

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

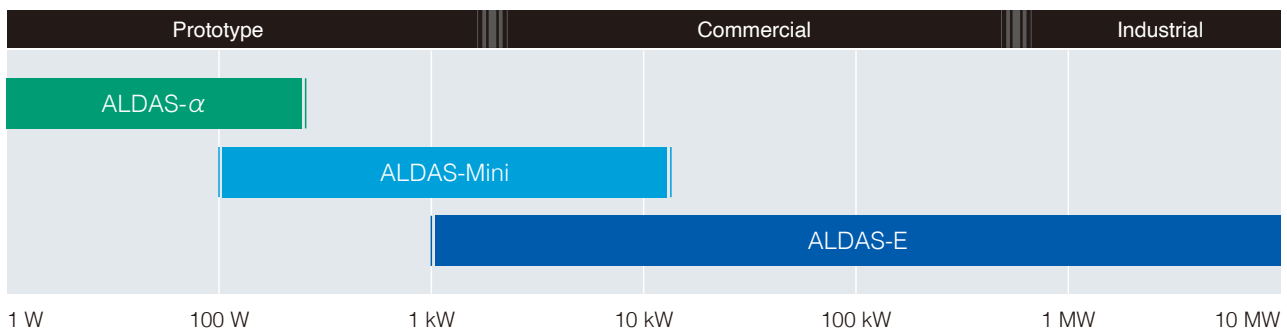
ALDAS- α



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



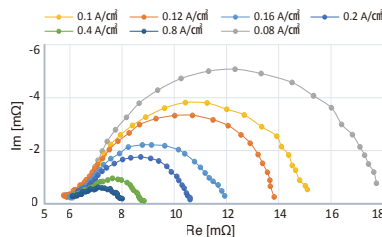
For more details



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



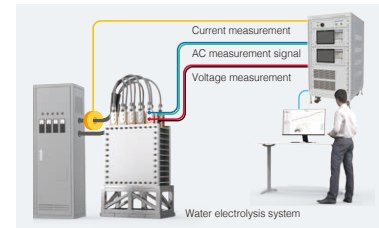
For more details



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_1266963

HIOKI
HIOKI E. E. CORPORATION

HEADQUARTERS

81 Koizumi,
Ueda, Nagano 386-1192 Japan
<https://www.hioki.com/>



Scan for all
regional contact
information

DISTRIBUTED BY



CALPLUS
Die Kompetenz in der Messtechnik

CalPlus GmbH - Zentrale

Heerstraße 32
14052 Berlin
Tel.: 030 214982-0
Fax: 030 214982-50
office@calplus.de
www.calplus.de

CalPlus GmbH

Normannenweg 30
20537 Hamburg
Tel.: 040 3039595-0
Fax: 040 3039595-50
scopeshop@calplus.de
www.calplus.de