

Squidstat™ Cyclor



24-bit A/D converter for 0.06 parts-per-million resolution

All channels have **10 kHz EIS** & can run EIS simultaneously

Combine channels to **boost max current up to 1000 A**

4-electrode measurements, **temperature** sensors built in

Compact 23x17x6 cm³ housing can fit anywhere

Modern & versatile software

4-Channel Base Model Specifications	
Voltage Scan Range	0-5 V with 24-bit ADC
Current Scan Range	±5 A with 2 ranges
Voltage Accuracy	400 µV
Voltage Resolution	320 nV
Current Accuracy	0.1% of Measurement + 0.035% of Range
Current Resolution	650 nA when >312 mA 40 nA when <312 mA
DC Sampling Speed	2500 samples/s/device
EIS Frequency Range	10 µHz to 10 kHz

4 EIS-capable 0-5 V, ±5 A channels: \$9,500

Customizable up to 60 V & 60 A per channel: \$Ask Us!

Specifications Applicable To All Cyclers

Cell Connections	2, 3, & 4-terminals (Power + Remote Sense)
EIS Frequency Range	10 μ Hz to 10 kHz
EIS Current Amplitude	From 0.04% to 100% of range
EIS Voltage Amplitude	From 0.04% to 100% of range
DC Sampling Speed	2500 samples/s/device
Minimum Time Step	500 μ s
Time Resolution	< 100 μ s
Rise Time	< 2 ms
Slew Rate	0.1 MV/s
Sense Line Impedance	> 1 MOhm
Thermistor Temperature Range & Precision	-40°C to 80°C range, \pm 1°C accuracy 0-80°C

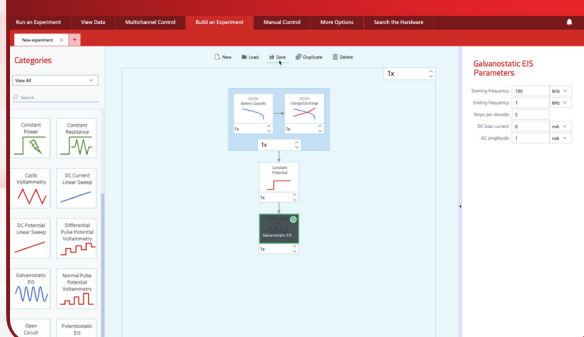
Cycler Supported Methods

Battery Capacity
Chronoamperometry
Chronopotentiometry
CC-CV Charge / Discharge
Constant Load Discharge
Constant Power Discharge
Cyclic Voltammetry (CV)
Impedance Spectroscopy (EIS)
Pot. & Galv. Titration Techniques
Linear Sweep Voltammetry
Square Wave Voltammetry
Current & Voltage Pulsing
Open Voltage
Mott-Schottky

High power & Multichannel Options

- Ai** Custom high power configurations between **0 V - 60 V** and **\pm 60 A** per channel
- Ai** Up to **3 kW** max output on individual channels
- Ai** Channels can be combined up to **1000 A** at up to **60 V** with **120 kW** max combined power
- Ai** Run EIS anywhere within the full DC range
- Ai** Multichannel 19" rack-mount configurations to support 10s, 100s, or 1000s of channels
- Ai** Custom channel cable lengths are available
- Ai** Regenerative power options to conserve energy

Drag-&-Drop Custom Experiment Builder



30-day
FREE TRIALS



Evaluate Any Squidstat FOR FREE
Move To Our Brand With Confidence

24-bit Precision
Measurements

4-Quadrant
Operating Option

USB & Ethernet
Connections

Windows / Mac / Linux
Compatible Software

API For Process
Automation

FORWARD-THINKING HARDWARE. INTUITIVE SOFTWARE.

We're Devoted to Making Your Job **EASIER**



Admiralinstruments.com
Call +1 480 256 8706
contact@admiralinstruments.com