

Squidstat™ Cyclor



24-bit ADC for 0.06 ppm measurement resolution

All channels have **EIS** up to **10 kHz** and run simultaneously

Link channels to **boost current**

Each channel cable has **4-leads** and a **temperature sensor**

Compact 23x17x6 cm³ housing can fit anywhere

Modern and reliable 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 ±1.50 mA/250.0 µA
Current Resolution	0.12 ppm of the Range, 600 nA/60 nA
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	4-terminals (Power + Remote Sense)
Standard Cable Length	1 m
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	400 μ s
Time Resolution	< 100 μ s
Rise Time	20 ms Typ. (10-90%, 0.5-4.5 V)
Slew Rate	250 V/s DC, 30 kV/s Max AC
Sense Line Impedance	1.76 MOhm
Thermistor Temperature Range & Precision	-55°C to 80°C range per channel ±1.25°C accuracy

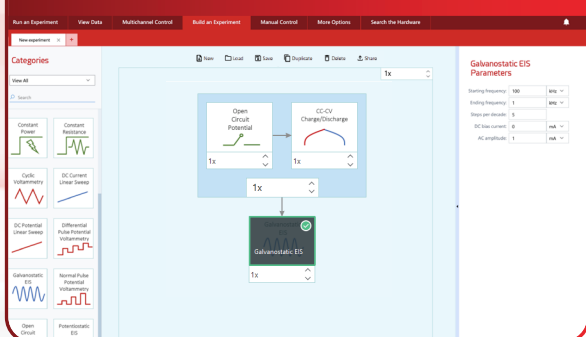
Cycler Supported Methods

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 Circuit Voltage
Mott-Schottky

Customization Options & Features

- Ai** Custom high power configurations between **0 V - 60 V** and **±60 A** per channel
- Ai** Up to **3 kW** max output on individual channels
- Ai** **No decrease in accuracy** in lower current or voltage ranges with higher power configurations
- Ai** Channels can be run in parallel up to **1000 A**
- Ai** Run **EIS** anywhere **within the full DC range**
- Ai** **Rack-mount solutions** available for high channel count configurations
- 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**



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