Squidstat
Product
Catalog

This is our current and active catalog. All products listed here are available to order, with up-to-date pricing and information. For the best experience and full support, please use this catalog when selecting and purchasing items.

August 2025

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Lead Time*

Business Days: *Our office operates Monday through Friday, excluding holidays. Any orders received outside of these days will be processed on the next business day.*

ARO (After Receipt of Order): *The time frame calculated from the moment we receive a purchase order or payment. For example, if a product has a delivery time of 10 business days ARO, it will ship within 10 business days after we receive a purchase order or payment.*

List Price ($USD)

All listed prices are only valid for direct purchases from Admiral Instruments. Please note that Squidstat prices may vary for customers purchasing through our international distributors.

Squidstat Potentiostats   Pages: 1-11

Squidstat Cyclers   Pages: 12-21

Item Number	Item Name	List Price ($USD)	Lead Time*	Page
CB-BC-1	Squidstat Basic Cell Cable (1 m)	$300.00	10 Business Days ARO	23
CB-AC-FS-1	Squidstat Advanced Cell Cable Set – Foundation (1 m)	$400.00	20 Business Days ARO	24
CB-AC-FS-P-1	Squidstat Advanced Cell Cable – Foundation Current Pair Only (1 m)	$100.00	20 Business Days ARO	24
CB-AC-FS-WE-1	Squidstat Advanced Cell Cable – Foundation Current WE Only (1 m)	$50.00	20 Business Days ARO	24
CB-AC-FS-CE-1	Squidstat Advanced Cell Cable – Foundation Current CE Only (1 m)	$50.00	20 Business Days ARO	24
CB-AC-S-1	Squidstat Advanced Cell Cable – Sense Only (1 m)	$300.00	20 Business Days ARO	24
CB-AC-BS-24-1	Squidstat Advanced Cell Cable Set – Boosted (1 m)	$450.00	20 Business Days ARO	25
CB-AC-BS-24-P-1	Squidstat Advanced Cell Cable – Boosted Current Pair Only (1 m)	$150.00	20 Business Days ARO	25
CB-AC-BS-24-WE-1	Squidstat Advanced Cell Cable – Boosted Current WE Only (1 m)	$75.00	20 Business Days ARO	25
CB-AC-BS-24-CE-1	Squidstat Advanced Cell Cable – Boosted Current CE Only (1 m)	$75.00	20 Business Days ARO	25
CB-AC-S-1	Squidstat Advanced Cell Cable – Sense Only (1 m)	$300.00	20 Business Days ARO	25
CB-AC-BS-1	Squidstat Advanced Cell Cable Set – Boosted (1 m) (Serial Numbers below 3000)	$450.00	20 Business Days ARO	25
CB-AC-BS-P-1	Squidstat Advanced Cell Cable – Boosted Current Pair Only (1 m) (Serial Numbers below 3000)	$150.00	20 Business Days ARO	26
CB-AC-BS-WE-1	Squidstat Advanced Cell Cable – Boosted Current WE Only (1 m) (Serial Numbers below 3000)	$75.00	20 Business Days ARO	26
CB-AC-BS-CE-1	Squidstat Advanced Cell Cable – Boosted Current CE Only (1 m) (Serial Numbers below 3000)	$75.00	20 Business Days ARO	26
CB-CY-LC-1	Squidstat Low Current Channel Cable – Cycler (1 m)	$200.00	10 Business Days ARO	27
CB-CY-LC-2	Squidstat Low Current Channel Cable – Cycler (2 m)	$300.00	20 Business Days ARO	27
CB-CY-LC-3	Squidstat Low Current Channel Cable – Cycler (3 m)	$400.00	20 Business Days ARO	27
CB-CY-HC-6-1	Squidstat High Current (6 AWG) Channel Cable Set – Cycler (1 m)	$250.00	20 Business Days ARO	28
CB-CY-HC-6-2	Squidstat High Current (6 AWG) Channel Cable Set – Cycler (2 m)	$400.00	20 Business Days ARO	28
CB-CY-HC-6-3	Squidstat High Current (6 AWG) Channel Cable Set – Cycler (3 m)	$550.00	20 Business Days ARO	28
CB-CY-HC-4-3	Squidstat High Current (4 AWG) Channel Cable Set – Cycler (3 m)	$570.00	20 Business Days ARO	28

CB-CY-HC-P-6-1	Squidstat High Current (6 AWG) Channel Cable – Cycler Current Pair Only (1 m)	$50.00	10 Business Days ARO	29
CB-CY-HC-P-6-2	Squidstat High Current (6 AWG) Channel Cable – Cycler Current Pair Only (2 m)	$100.00	10 Business Days ARO	29
CB-CY-HC-P-6-3	Squidstat High Current (6 AWG) Channel Cable – Cycler Current Pair Only (3 m)	$150.00	10 Business Days ARO	29
CB-CY-HC-P-4-3	Squidstat High Current (4 AWG) Channel Cable – Cycler Current Pair Only (3 m)	$170.00	10 Business Days ARO	29
BC6RD-42IN-14-14-CC	Squidstat High Current (6 AWG) Channel Cable – Cycler +Current Only (1 m)	$25.00	10 Business Days ARO	30
BC6RD-7FT-14-14-CC	Squidstat High Current (6 AWG) Channel Cable – Cycler +Current Only (2 m)	$50.00	10 Business Days ARO	30
BC6RD-10FT-14-14-CC	Squidstat High Current (6 AWG) Channel Cable – Cycler +Current Only (3 m)	$75.00	10 Business Days ARO	30
BC6BK-42IN-14-14-CC	Squidstat High Current (6 AWG) Channel Cable – Cycler -Current Only (1 m)	$25.00	10 Business Days ARO	30
BC6BK-7FT-14-14-CC	Squidstat High Current (6 AWG) Channel Cable – Cycler -Current Only (2 m)	$50.00	10 Business Days ARO	31
BC6BK-10FT-14-14-CC	Squidstat High Current (6 AWG) Channel Cable – Cycler -Current Only (3 m)	$75.00	10 Business Days ARO	31
BC4RD-10FT-14-14-CC	Squidstat High Current (4 AWG) Channel Cable – Cycler +Current Only (3 m)	$85.00	10 Business Days ARO	31
BC4BK-10FT-14-14-CC	Squidstat High Current (4 AWG) Channel Cable – Cycler -Current Only (3 m)	$85.00	10 Business Days ARO	31
CB-CY-HC-S-1	Squidstat High Current Channel Cable – Cycler Sense Only (1 m)	$200.00	10 Business Days ARO	32
CB-CY-HC-S-2	Squidstat High Current Channel Cable – Cycler Sense Only (2 m)	$300.00	20 Business Days ARO	32
CB-CY-HC-S-3	Squidstat High Current Channel Cable – Cycler Sense Only (3 m)	$400.00	20 Business Days ARO	32
BU-P5788-2	Alligator Clips – 2 mm – Red	$5.00	10 Business Days ARO	33
BU-P5788-0	Alligator Clips – 2 mm – Black	$5.00	10 Business Days ARO	33
BU-P5788-5	Alligator Clips – 2 mm – Green	$5.00	10 Business Days ARO	33
BU-110-2	Alligator Clips – 4 mm Small – Red	$7.00	10 Business Days ARO	33
BU-110-0	Alligator Clips – 4 mm Small – Black	$7.00	10 Business Days ARO	33
BU-65-2	Alligator Clips – 4 mm Large – Red	$10.00	10 Business Days ARO	34
BU-65-0	Alligator Clips – 4 mm Large – Black	$10.00	10 Business Days ARO	34

Item Number	Item Name	List Price ($USD)	Lead Time*	Page
PS-PT-56	Squidstat Power Supply	$450.00	20 Business Days ARO	36
CS-DSSMDB9MM0-005	Squidstat Power Supply Connection Cable	$20.00	10 Business Days ARO	36
TR9CZ9470LCPIMR6B	Squidstat Cycler BM – Power Supply – GlobTek Inc.	$90.00	10 Business Days ARO	37
BIC-2200-48	Squidstat Cycler – Power Supply – Mean Well BIC-2200-48	$800.00	30 Business Days ARO	37
JP-2S	Joiner Plate (2-slot)	$20.00	10 Business Days ARO	37
JP-3S	Joiner Plate (3-slot)	$40.00	10 Business Days ARO	37
JP-4S	Joiner Plate (4-slot)	$50.00	10 Business Days ARO	37
P-06B-EN	Power Source Cable – Type B	$5.00	10 Business Days ARO	38
P-06B-G	Power Source Cable – Type F	$5.00	10 Business Days ARO	38
P7UK-06	Power Source Cable – Type G	$8.00	10 Business Days ARO	38
P-06B-C	Power Source Cable – Type I	$8.00	10 Business Days ARO	38
P-06B-SA	Power Source Cable – Type M	$8.00	10 Business Days ARO	38
P-0412-06B	Power Source Cable – Type N	$8.00	10 Business Days ARO	38
UB12-06-BLK	USB Cable A to B	$5.00	10 Business Days ARO	39

Squidstat Accessories

Item Number	Item Name	List Price ($USD)	Lead Time*	Page
AdInst-EChem-Ref-R	Reference Electrode – Ag/AgCl – Refillable	$95.00	20 Business Days ARO	41
Cal-Ref-01-K	Reference Electrode – Calomel – Refillable	$250.00	20 Business Days ARO	41
AdInst-EChem-WE-GC	Electrode – Glassy Carbon – Disk (3mm)	$195.00	20 Business Days ARO	41
AdInst-EChem-WE-Pt	Electrode – Platinum – Disk (3mm)	$195.00	20 Business Days ARO	41
AdInst-EChem-Aux-Pt	Electrode – Platinum – Auxiliary	$195.00	20 Business Days ARO	42
AdInst-EChem-WE-Au	Electrode – Gold – Disk (3mm)	$195.00	20 Business Days ARO	42
BF-20	Multipurpose Battery Test Fixture	$95.00	20 Business Days ARO	43
BF-2L	Multipurpose Battery Test Fixture 2L	$290.00	20 Business Days ARO	43
IB-10-GS	Squidstat InkBoard with Grounding Strap	$100.00	20 Business Days ARO	43
IB-10	Squidstat InkBoard	$90.00	20 Business Days ARO	43
BU-P1166-36-0	Squidstat Grounding Strap	$10.00	10 Business Days ARO	43

Squidstat Software

Item Number	Item Name	List Price ($USD)	Lead Time*	Page
ZR-AK-00	Zahner Analysis License Key	$300.00	5 Business Days ARO	45
SUI	Squidstat User Interface	$0.00	N/A	45
API	Squidstat Application Programming Interface	$0.00	N/A	45
SSU	Squidstat Support Utility	$0.00	N/A	45

Item Number	Item Name	List Price ($USD)	Lead Time*	Page
EX-WA-1	3 Year Warranty	Contact us for pricing	N/A	47
NT-CT	NRTL Certification	Contact us for pricing	20 Business Days ARO	47

Squidstat
Potentiostats

Item Name	Serial Numbers
Squidstat Solo	1100-ongoing
Squidstat Prime	1100-ongoing
Squidstat Plus	1800-ongoing
Squidstat Penta	3000-ongoing
Squidstat Decka	3000-ongoing
Squidstat Venta	3000-ongoing

Squidstat Solo Complete Setup

Item Name & Description	Price USD & Lead Time

Squidstat Solo Complete Setup
- One Squidstat Solo (#SO-2X)
  - Single-channel potentiostat/galvanostat
  - Current range: ±100 mA max
  - Voltage scan range: ±10 V
  - Compatible with Windows, MacOS, and Ubuntu via the Squidstat User Interface software and Application Programming Interface
  - Onboard memory (16 GB) automatically backs up all channel data for future recovery
  - Multiple units can run simultaneously with other Squidstat models
  - Made in USA
- One 1-meter Squidstat Basic Cell Cable (#CB-BC-1)
- One Power Source Cable (Country based)
- One USB Cable (#UB12-06-BLK)
- One Squidstat InkBoard with Grounding Strap (#IB-10-GS)
- Two Alligator Clips – 2 mm – Red (#BU-P5788-2)
- Two Alligator Clips – 2 mm – Black (#BU-P5788-0)
- One Alligator Clips – 2 mm – Green (#BU-P5788-5)

Item Number:	**SO-2X-CS**
List Price:	**$1,900.00**
Std Lead Time:	**20 Business Days ARO**
Warranty Period:	**2-years**
Serial Numbers:	**1100-ongoing**

Squidstat Solo Specifications

General Specifications	
Channels Per Unit	1
Operating Modes	Pot / Gal / ZRA
Cell Connections	5 electrode
ADC/DAC Resolution	16-bit resolution
Slew Rate (1 kΩ load)	5 kV/s (-1 V to +1V)
Shortest DC data recording interval	200 µs
Shortest DC data hardware sampling interval	7.5 µs
Floating/Ground Mode	Both (Switchable)
Input Impedance	10 Tera-Ω (typical)
Input Bias Current	10 pA (typical)
Data Backup Memory	16 GB onboard
Dimension and Weight	24 L x 17 W x 6 H cm, 1 kg
Channel Cable Length	1 m
Computer Interface	1 USB per unit
Temperature Operating Range	0 to 40 ℃
Min/Max Scan Rate	300 µV/s minimum
	25 V/s maximum with 10 mV sampling
Smallest Pulse Width	375 µs
Smallest Potential Step for Sweep Voltammetry	0.003% (30.52 ppm) of range, 300 µV min
Square Wave Voltammetry Max Frequency	1 kHz (-1 V to +1V)
Power Supply Requirements	100 – 240 VAC
	50 – 60 Hz

Potentiostatic Input/Output	
Compliance Voltage	±12 V
Voltage Scan Range	±10 V
Number of Voltage Ranges	1 range, [±10 V]
Applied Voltage Accuracy	0.1% of setpoint, 2 mV min
Applied Voltage Resolution	0.003% (30.52 ppm) of range, 300 µV min
Measured Voltage Accuracy	0.1% of measured, 1 mV min
Measured Voltage Resolution	0.003% (30.52 ppm) of range, 300 µV min
Time Resolution	10 ns
iR Compensation Limits	1.82 V max

Galvanostatic Input/Output	
Current Range	±100 mA
Number of Current Ranges	8 ranges, [10 nA to 100 mA]
Applied Current Accuracy	0.1% of range, 1 nA min
Applied Current Resolution	0.003% (30.52 ppm) of range, 300 fA min
Measured Current Accuracy	0.1% of range, 1 nA min
Measured Current Resolution	0.003% (30.52 ppm) of range, 300 fA min

Squidstat Prime Complete Setup

Item Name & Description	Price USD & Lead Time

Squidstat Prime Complete Setup
- One Squidstat Prime (#PR-2X)
  - Four-channel potentiostat/galvanostat
  - Current range: ±250 mA max
  - Voltage scan range: ±10 V
  - Compatible with Windows, MacOS, and Ubuntu via the Squidstat User Interface software and Application Programming Interface
  - Onboard memory (16 GB) automatically backs up all channel data for future recovery
  - Multiple units can run simultaneously with other Squidstat models
  - Made in USA
- Four 1-meter Squidstat Basic Cell Cable (#CB-BC-1)
- One Squidstat Power Supply (#PS-PT-56)
- One Power Source Cable (Country based)
- One Squidstat Power Supply Connection Cable (#CS-DSSMDB9MM0-005)
- One USB Cable (#UB12-06-BLK)
- One Squidstat InkBoard with Grounding Strap (#IB-10-GS)
- Eight Alligator Clips – 2 mm – Red (#BU-P5788-2)
- Eight Alligator Clips – 2 mm – Black (#BU-P5788-0)
- Four Alligator Clips – 2 mm – Green (#BU-P5788-5)

Item Number: PR-2X-CS
List Price: $4,800.00
Std Lead Time: 20 Business Days ARO
Warranty Period: 2-years
Serial Numbers: 1100-ongoing

Squidstat Prime Specifications

General Specifications	
Channels Per Unit	4
Operating Modes	Pot / Gal / ZRA
Cell Connections	5 electrode
ADC/DAC Resolution	16-bit resolution
Slew Rate (1 kΩ load)	35 kV/s (-1 V to +1V)
Shortest DC data recording interval	1000 µs
Shortest DC data hardware sampling interval	100 µs
Floating/Ground Mode	Both (Switchable)
Input Impedance	10 Tera-Ω (typical)
Input Bias Current	10 pA (typical)
Data Backup Memory	16 GB onboard
Dimension and Weight	24 L x 17 W x 6 H cm, 1 kg
Channel Cable Length	1 m
Computer Interface	1 USB per unit
Temperature Operating Range	0 to 40 ℃
Min/Max Scan Rate	300 µV/s minimum
	25 V/s maximum with 10 mV sampling
Smallest Pulse Width	400 µs
Smallest Potential Step for Sweep Voltammetry	0.003% (30.52 ppm) of range, 300 µV min
Square Wave Voltammetry Max Frequency	800 Hz (-1 V to +1V)
Power Supply Requirements	100 – 240 VAC
	50 – 60 Hz

Potentiostatic Input/Output	
Compliance Voltage	±10 V
Voltage Scan Range	±10 V
Number of Voltage Ranges	1 range, [±10 V]
Applied Voltage Accuracy	0.1% of setpoint, 1 mV min
Applied Voltage Resolution	0.003% (30.52 ppm) of range, 300 µV min
Measured Voltage Accuracy	0.1% of measured, 1 mV min
Measured Voltage Resolution	0.003% (30.52 ppm) of range, 300 µV min
Time Resolution	100 µs
iR Compensation Limits	1.25 V

Galvanostatic Input/Output	
Current Range	±250 mA
Number of Current Ranges	8 ranges, [25 nA to 250 mA]
Applied Current Accuracy	0.1% of range, 1 nA min
Applied Current Resolution	0.003% (30.52 ppm) of range, 760 fA min
Measured Current Accuracy	0.1% of range, 1 nA min
Measured Current Resolution	0.003% (30.52 ppm) of range, 760 fA min

Squidstat Plus Complete Setup

| Item Name & Description	Price USD & Lead Time

Squidstat Plus Complete Setup

- One Squidstat Plus (#PL-24X-M2)
  - Single-channel potentiostat/galvanostat with FRA
  - Current range: ±1 A max
  - Voltage scan range: ±10 V
  - EIS frequency range: 10 µHz - 2 MHz
  - Compatible with Windows, MacOS, and Ubuntu via the Squidstat User Interface software and Application Programming Interface
  - Onboard memory (16 GB) automatically backs up all channel data for future recovery
  - Multiple units can run simultaneously with other Squidstat models
  - Made in USA
- One 1-meter Squidstat Advanced Cable Set - Foundation (#CB-AC-FS-1)
- One Squidstat Power Supply (#PS-PT-56)
- One Power Source Cable (Country based)
- One Squidstat Power Supply Connection Cable (#CS-DSSMDB9MM0-005)
- One USB Cable (#UB12-06-BLK)
- One Squidstat InkBoard with Grounding Strap (#IB-10-GS)
- Two Alligator Clips – 2 mm – Red (#BU-P5788-2)
- Two Alligator Clips – 2 mm – Black (#BU-P5788-0)
- One Alligator Clips – 2 mm – Green (#BU-P5788-5)

Item Number: PL-24X-M2-CS
List Price: $4,900.00
Std Lead Time: 20 Business Days ARO
Warranty Period: 2-years
Serial Numbers: 1800-ongoing

Squidstat Plus Accuracy Contour Plot (ACP)
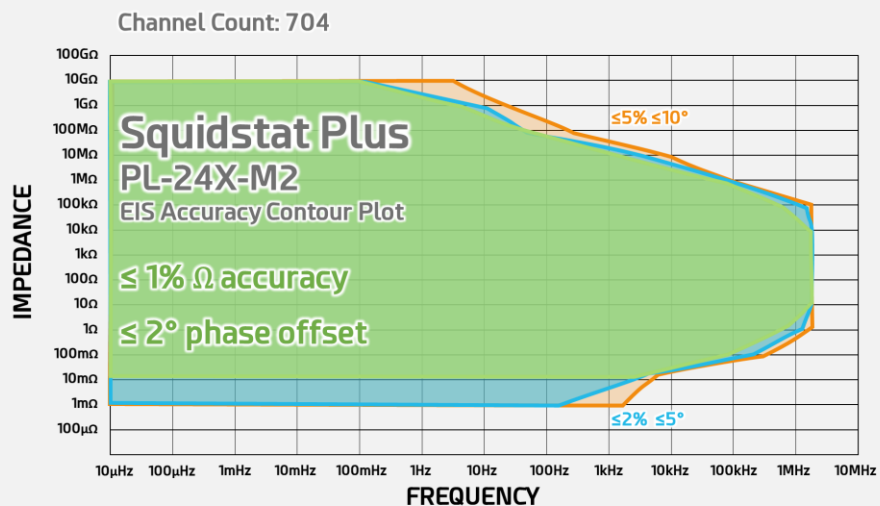
Sampling Parameters
- 100 µΩ to 10 GΩ precision resistors
- Cable length: 1 m
- Signal amplitude: 0.7 A_{rms} for impedance 1 mΩ
- Signal amplitude: ≤ 7mV$_{rms}$ for impedances ≤ 10 GΩ

Color Codings

Points inside each colored bound were tested to be within the following |Z| accuracy (%) and phase angle offset (°) threshold:

GREEN: 1%, 2°

BLUE: 2%, 5°

ORANGE: 5%, 10°

DETAILED HARDWARE SPECIFICATIONS ON NEXT PAGE

Squidstat Plus Specifications

General Specifications

Channels Per Unit	1
Operating Modes	Pot / Gal / ZRA / FRA
Cell Connections	5 electrode
ADC/DAC Resolution	16-bit resolution
Slew Rate (1 kΩ load)	1 MV/s (-1 V to +1 V)
Shortest DC data recording interval	200 µs
Shortest DC data hardware sampling interval	7.5 µs
Floating/Ground Mode	Both (Switchable)
Input Impedance	10 Tera-Ω (typical)
Input Bias Current	10 pA (typical)
Data Backup Memory	16 GB onboard
Dimension and Weight	24 L x 17 W x 6 H cm, 1 kg
Channel Cable Length	1 m
Computer Interface	1 USB per unit
Temperature Operating Range	0 to 40 ℃
Min/Max Scan Rate	15 µV/s minimum
	25 V/s maximum with 10 mV sampling
Smallest Pulse Width	375 µs
Smallest Potential Step for Sweep Voltammetry	0.003% (30.52 ppm) of range, 15 µV min
Square Wave Voltammetry Max Frequency	3.5 kHz (-1 V to +1 V)
Power Supply Requirements	100 – 240 VAC
	50 – 60 Hz

Potentiostatic Input/Output

Compliance Voltage	±12 V
Voltage Scan Range	±10 V
Number of Voltage Ranges	4 ranges, [±10 V, ±5 V, ±1 V, ±0.5 V]
Applied Voltage Accuracy	0.1% of setpoint, 1 mV min
Applied Voltage Resolution	0.003% (30.52 ppm) of range, 15 µV min
Measured Voltage Accuracy	0.1% of measured, 1 mV min
Measured Voltage Resolution	0.003% (30.52 ppm) of range, 15 µV min
Time Resolution	10 ns
iR Compensation Limits	23.5% of range, 2.35 V max

Galvanostatic Input/Output

Current Range	±1 A
Number of Current Ranges	8 ranges, [100 nA to 1 A]
Applied Current Accuracy	0.2% of range, 1 nA min
Applied Current Resolution	0.003% (30.52 ppm) of range, 3 pA min
Measured Current Accuracy	0.1% of range, 100 pA min
Measured Current Resolution	0.003% (30.52 ppm) of range, 3 pA min

Impedance Analyzer

EIS Frequency Range	10 µHz to 2 MHz
AC Frequency Accuracy	0.005% (50 ppm) or better
AC Frequency Resolution	18-bit, 0.0004% (3.81 ppm), 3 µHz min
EIS Amplitude Resolution	24-bit resolution
Potentiostatic EIS Amplitude	≤ 100% of range, 10 V max
Potentiostatic EIS Amplitude Resolution	0.000012% (0.12 ppm) of setpoint/measured
Galvanostatic EIS Amplitude	≤ 100% of range, 1 A max
Galvanostatic EIS Amplitude Resolution	0.000012% (0.12 ppm) of range

Squidstat Penta Complete Setup

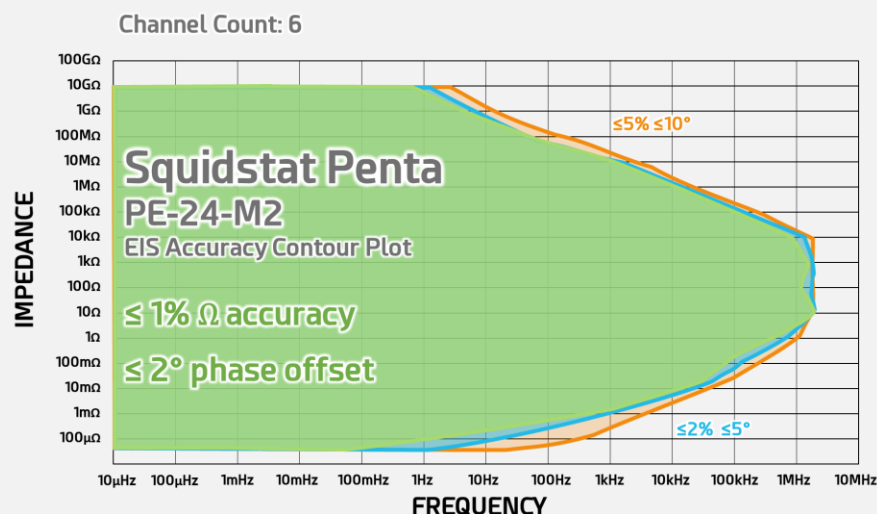| Item Name & Description	Price USD & Lead Time

Squidstat Penta Complete Setup
- One Squidstat Penta (#PE-24-M2)
  - o Single-channel potentiostat/galvanostat with FRA
  - o Current range: ±5 A max
  - o Voltage scan range: ±10 V
  - o EIS frequency range: 10 µHz - 2 MHz
  - o Compatible with Windows, MacOS, and Ubuntu via the Squidstat User Interface software and Application Programming Interface
  - o Onboard memory (16 GB) automatically backs up all channel data for future recovery
  - o Multiple units can run simultaneously with other Squidstat models
  - o Made in USA
- One 1-meter Squidstat Advanced Cable Set - Boosted (#CB-AC-BS-24-1)
- One Power Source Cable (Country based)
- One USB Cable (#UB12-06-BLK)
- One Squidstat InkBoard with Grounding Strap (#IB-10-GS)
- One Alligator Clips – 2 mm – Red (#BU-P5788-2)
- One Alligator Clips – 2 mm – Black (#BU-P5788-0)
- One Alligator Clips – 2 mm – Green (#BU-P5788-5)
- One Alligator Clips – 4 mm Small – Red (#BU-110-2)
- One Alligator Clips – 4 mm Small – Black (#BU-110-0)

Item Number: PE-24-M2-CS
List Price: $8,900.00
Std Lead Time: 30 Business Days ARO
Warranty Period: 2-years
Serial Numbers: 3000 – ongoing

No Picture Available

Squidstat Penta Accuracy Contour Plot (ACP)

Channel Count: 6

Squidstat Penta
PE-24-M2
EIS Accuracy Contour Plot
≤ 1% Ω accuracy
≤ 2° phase offset

≤5% ≤10°
≤2% ≤5°

Sampling Parameters
- 25 µΩ to 10 GΩ precision resistors
- Cable length: 1 m
- Signal amplitude: ≤ 2.8 A_{rms} for impedance ≤ 1 mΩ
- Signal amplitude: ≤ 7 mV_{rms} for impedance ≤ 1 MΩ
- Signal amplitude: ≤ 70 mV_{rms} for impedances ≥ 10 MΩ

Color Codings

Points inside each colored bound were tested to be within the following | Z | accuracy (%) and phase angle offset (°) threshold:

GREEN: 1%, 2°
BLUE: 2%, 5°
ORANGE: 5%, 10°

DETAILED HARDWARE SPECIFICATIONS ON NEXT PAGE

Squidstat Penta Specifications

General Specifications	
Channels Per Unit	1
Operating Modes	Pot / Gal / ZRA / FRA
Cell Connections	5 electrode
ADC/DAC Resolution	16-bit resolution
Slew Rate (1 kΩ load)	1 MV/s (-1 V to +1 V)
Shortest DC data recording interval	200 µs
Shortest DC data hardware sampling interval	7.5 µs
Floating/Ground Mode	Both (Switchable)
Input Impedance	10 Tera-Ω (typical)
Input Bias Current	10 pA (typical)
Data Backup Memory	16 GB onboard
Dimension and Weight	24 L x 17 W x 13 H cm, 3.5 kg
Channel Cable Length	1 m
Computer Interface	1 USB per unit
Temperature Operating Range	0 to 40 ℃
Min/Max Scan Rate	15 µV/s minimum
	25 V/s maximum with 10 mV sampling
Smallest Pulse Width	375 µs
Smallest Potential Step for Sweep Voltammetry	0.003% (30.52 ppm) of range, 15 µV min
Square Wave Voltammetry Max Frequency	2 kHz (-1 V to +1 V)
Power Supply Requirements	100 – 240 VAC
	50 – 60 Hz

Potentiostatic Input/Output	
Compliance Voltage	±11.5 V min
Voltage Scan Range	±10 V
Number of Voltage Ranges	4 ranges, [±10 V, ±5 V, ±1 V, ±0.5 V]
Applied Voltage Accuracy	0.1% of setpoint, 1 mV min
Applied Voltage Resolution	0.003% (30.52 ppm) of range, 15 µV min
Measured Voltage Accuracy	0.1% of measured, 1 mV min
Measured Voltage Resolution	0.003% (30.52 ppm) of range, 15 µV min
Time Resolution	10 ns
iR Compensation Limits	12% of range, 1.2 V max

Galvanostatic Input/Output	
Current Range	±5 A
Number of Current Ranges	8 ranges, [1 µA to 5 A]
Applied Current Accuracy	0.1% of range, 1 nA min
Applied Current Resolution	0.003% (30.52 ppm) of range, 30 pA min
Measured Current Accuracy	0.1% of range, 1 nA min
Measured Current Resolution	0.003% (30.52 ppm) of range, 30 pA min

Impedance Analyzer	
EIS Frequency Range	10 µHz to 2 MHz
AC Frequency Accuracy	0.005% (50 ppm) or better
AC Frequency Resolution	18-bit, 0.0004% (3.81 ppm), 3 µHz min
EIS Amplitude Resolution	24-bit resolution
Potentiostatic EIS Amplitude	≤ 100% of range, 10 V max
Potentiostatic EIS Amplitude Resolution	600 nV
Galvanostatic EIS Amplitude	≤ 100% of range, 5 A max
Galvanostatic EIS Amplitude Resolution	0.0006% (6 ppm) of range

Squidstat Decka Complete Setup

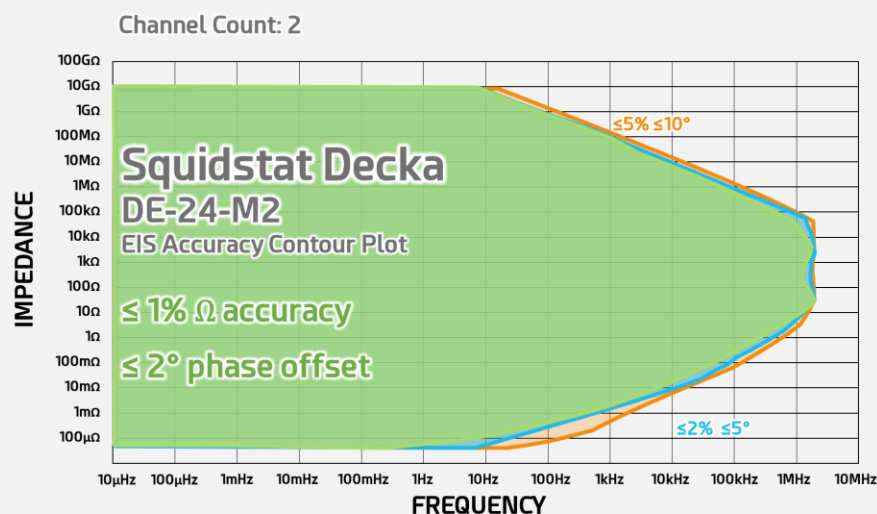| Item Name & Description	Price USD & Lead Time

Squidstat Decka Complete Setup
- One Squidstat Decka (#DE-24-M2)
  - Single-channel potentiostat/galvanostat with FRA
  - Current range: ±10 A max
  - Voltage scan range: ±10 V
  - EIS frequency range: 10 µHz - 2 MHz
  - Compatible with Windows, MacOS, and Ubuntu via the Squidstat User Interface software and Application Programming Interface
  - Onboard memory (16 GB) automatically backs up all channel data for future recovery
  - Multiple units can run simultaneously with other Squidstat models
  - Made in USA
- One 1-meter Squidstat Advanced Cable Set - Boosted (#CB-AC-BS-24-1)
- One Power Source Cable (Country based)
- One USB Cable (#UB12-06-BLK)
- One Squidstat InkBoard with Grounding Strap (#IB-10-GS)
- One Alligator Clips – 2 mm – Red (#BU-P5788-2)
- One Alligator Clips – 2 mm – Black (#BU-P5788-0)
- One Alligator Clips – 2 mm – Green (#BU-P5788-5)
- One Alligator Clips – 4 mm Small – Red (#BU-110-2)
- One Alligator Clips – 4 mm Small – Black (#BU-110-0)

Item Number: DE-24-M2-CS
List Price: $13,900.00
Std Lead Time: 30 Business Days ARO
Warranty Period: 2-years
Serial Numbers: 3000 – ongoing

No Picture Available

Squidstat Decka Accuracy Contour Plot (ACP)

Channel Count: 2

Squidstat Decka
DE-24-M2
EIS Accuracy Contour Plot
≤ 1% Ω accuracy
≤ 2° phase offset

≤5% ≤10°
≤2% ≤5°

IMPEDANCE (axis): 100GΩ, 10GΩ, 1GΩ, 100MΩ, 10MΩ, 1MΩ, 100kΩ, 10kΩ, 1kΩ, 100Ω, 10Ω, 1Ω, 100mΩ, 10mΩ, 1mΩ, 100µΩ

FREQUENCY (axis): 10µHz, 100µHz, 1mHz, 10mHz, 100mHz, 1Hz, 10Hz, 100Hz, 1kHz, 10kHz, 100kHz, 1MHz, 10MHz

Sampling Parameters
- 25 µΩ to 10 GΩ precision resistors
- Cable length: 1 m
- Signal amplitude: ≤ 2.8 A$_{rms}$ for impedance ≤ 1 mΩ
- Signal amplitude: ≤ 7 mV$_{rms}$ for impedance ≤ 1 MΩ
- Signal amplitude: ≤ 70 mV$_{rms}$ for impedances ≥ 10 MΩ

Color Codings

Points inside each colored bound were tested to be within the following |Z| accuracy (%) and phase angle offset (°) threshold:

GREEN: 1%, 2°
BLUE: 2%, 5°
ORANGE: 5%, 10°

DETAILED HARDWARE SPECIFICATIONS ON NEXT PAGE

Squidstat Decka Specifications

General Specifications	
Channels Per Unit	1
Operating Modes	Pot / Gal / ZRA / FRA
Cell Connections	5 electrode
ADC/DAC Resolution	16-bit resolution
Slew Rate (1 kΩ load)	1 MV/s (-1 V to +1 V)
Shortest DC data recording interval	200 µs
Shortest DC data hardware sampling interval	7.5 µs
Floating/Ground Mode	Both (Switchable)
Input Impedance	10 Tera-Ω (typical)
Input Bias Current	10 pA (typical)
Data Backup Memory	16 GB onboard
Dimension and Weight	24 L x 17 W x 13 H cm, 3.5 kg
Channel Cable Length	1 m
Computer Interface	1 USB per unit
Temperature Operating Range	0 to 40 ℃
Min/Max Scan Rate	15 µV/s minimum
	25 V/s maximum with 10 mV sampling
Smallest Pulse Width	375 µs
Smallest Potential Step for Sweep Voltammetry	0.003% (30.52 ppm) of range, 15 µV min
Square Wave Voltammetry Max Frequency	2 kHz (-1 V to +1 V)
Power Supply Requirements	100 – 240 VAC
	50 – 60 Hz

Potentiostatic Input/Output	
Compliance Voltage	±10 V
Voltage Scan Range	±10 V
Number of Voltage Ranges	4 ranges, [±10 V, ±5 V, ±1 V, ±0.5 V]
Applied Voltage Accuracy	0.1% of setpoint, 1 mV min
Applied Voltage Resolution	0.003% (30.52 ppm) of range, 15 µV min
Measured Voltage Accuracy	0.1% of measured, 1 mV min
Measured Voltage Resolution	0.003% (30.52 ppm) of range, 15 µV min
Time Resolution	10 ns
iR Compensation Limits	1 V

Galvanostatic Input/Output	
Current Range	±10 A
Number of Current Ranges	9 ranges, [1 µA to 10 A]
Applied Current Accuracy	0.1% of range, 1 nA min
Applied Current Resolution	0.003% (30.52 ppm) of range, 30 pA min
Measured Current Accuracy	0.1% of range, 1 nA min
Measured Current Resolution	0.003% (30.52 ppm) of range, 30 pA min

Impedance Analyzer	
EIS Frequency Range	10 µHz to 2 MHz
AC Frequency Accuracy	0.005% (50 ppm) or better
AC Frequency Resolution	18-bit, 0.0004% (3.81 ppm), 3 µHz min
EIS Amplitude Resolution	24-bit resolution
Potentiostatic EIS Amplitude	≤ 100% of range, 10 V max
Potentiostatic EIS Amplitude Resolution	0.000012% (0.12 ppm) of setpoint/measured
Galvanostatic EIS Amplitude	≤ 100% of range, 10 A max
Galvanostatic EIS Amplitude Resolution	0.000012% (0.12 ppm) of range

Squidstat Venta Complete Setup

Item Name & Description	Price USD & Lead Time

Squidstat Venta Complete Setup

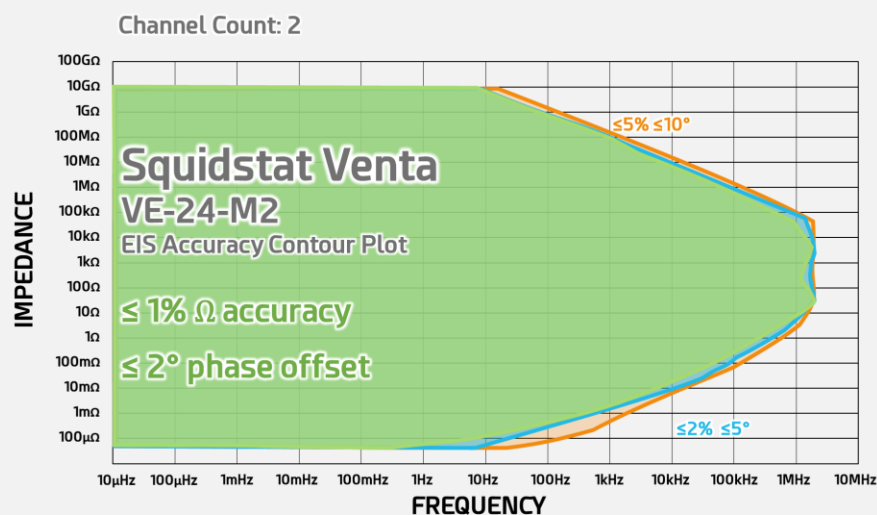- One Squidstat Venta (#VE-24-M2)
  - Single-channel potentiostat/galvanostat with FRA
  - Current range: ±20 A max
  - Voltage scan range: ±6 V
  - EIS frequency range: 10 µHz - 2 MHz
  - Compatible with Windows, MacOS, and Ubuntu via the Squidstat User Interface software and Application Programming Interface
  - Onboard memory (16 GB) automatically backs up all channel data for future recovery
  - Multiple units can run simultaneously with other Squidstat models
  - Made in USA
- One 1-meter Squidstat Advanced Cable Set - Boosted (#CB-AC-BS-24-1)
- One Power Source Cable (Country based)
- One USB Cable (#UB12-06-BLK)
- One Squidstat InkBoard with Grounding Strap (#IB-10-GS)
- One Alligator Clips – 2 mm – Red (#BU-P5788-2)
- One Alligator Clips – 2 mm – Black (#BU-P5788-0)
- One Alligator Clips – 2 mm – Green (#BU-P5788-5)
- One Alligator Clips – 4 mm Large – Red (#BU-65-2)
- One Alligator Clips – 4 mm Large – Black (#BU-65-0)

Item Number: VE-24-M2-CS
List Price: $16,900.00
Std Lead Time: 30 Business Days ARO
Warranty Period: 2-years
Serial Numbers: 3000 – ongoing

No Picture Available

Squidstat Venta Accuracy Contour Plot (ACP)

Channel Count: 2

Squidstat Venta
VE-24-M2
EIS Accuracy Contour Plot
≤ 1% Ω accuracy
≤ 2° phase offset

≤5% ≤10°
≤2% ≤5°

Sampling Parameters
- 25 µΩ to 10 GΩ precision resistors
- Cable length: 1 m
- Signal amplitude: ≤ 2.8 A_{rms} for impedance ≤ 1 mΩ
- Signal amplitude: ≤ 7 mV_{rms} for impedance ≤ 1 MΩ
- Signal amplitude: ≤ 70 mV_{rms} for impedances ≥ 10 MΩ

Color Codings

Points inside each colored bound were tested to be within the following |Z| accuracy (%) and phase angle offset (°) threshold:

GREEN: 1%, 2°

BLUE: 2%, 5°

ORANGE: 5%, 10°

DETAILED HARDWARE SPECIFICATIONS ON NEXT PAGE

Squidstat Venta Specifications

General Specifications

General Specifications	
Channels Per Unit	1
Operating Modes	Pot / Gal / ZRA / FRA
Cell Connections	5 electrode
ADC/DAC Resolution	16-bit resolution
Slew Rate (1 kΩ load)	1 MV/s (-1 V to +1 V)
Shortest DC data recording interval	200 μs
Shortest DC data hardware sampling interval	7.5 μs
Floating/Ground Mode	Both (Switchable)
Input Impedance	10 Tera-Ω (typical)
Input Bias Current	6 pA (typical)
Data Backup Memory	16 GB onboard
Dimension and Weight	24 L x 17 W x 13 H cm, 3.5 kg
Channel Cable Length	1 m
Computer Interface	1 USB per unit
Temperature Operating Range	0 to 40 ℃
Min/Max Scan Rate	15 μV/s minimum
	25 V/s maximum with 10 mV sampling
Smallest Pulse Width	375 μs
Smallest Potential Step for Sweep Voltammetry	0.003% (30.52 ppm) of range, 15 μV min
Square Wave Voltammetry Max Frequency	2 kHz (-1 V to +1 V)
Power Supply Requirements	100 – 240 VAC
	50 – 60 Hz

Potentiostatic Input/Output

Potentiostatic Input/Output	
Compliance Voltage	±6 V
Voltage Scan Range	±6 V
Number of Voltage Ranges	4 ranges, [±6 V, ±5 V, ±1 V, ±0.5 V]
Applied Voltage Accuracy	0.1% of setpoint, 1 mV min
Applied Voltage Resolution	0.003% (30.52 ppm) of range, 15 μV min
Measured Voltage Accuracy	0.1% of measured, 1 mV min
Measured Voltage Resolution	0.003% (30.52 ppm) of range, 15 μV min
Time Resolution	10 ns
iR Compensation Limits	1 V

Galvanostatic Input/Output

Galvanostatic Input/Output	
Current Range	±20 A
Number of Current Ranges	9 ranges, [1 μA to 20 A]
Applied Current Accuracy	0.1% of range ≤ 10 A, 0.2% > 10 A
Applied Current Resolution	0.003% (30.52 ppm) of range, 30 pA min
Measured Current Accuracy	0.1% of range, 1 nA min
Measured Current Resolution	0.003% (30.52 ppm) of range, 30 pA min

Impedance Analyzer

Impedance Analyzer	
EIS Frequency Range	10 μHz to 2 MHz
AC Frequency Accuracy	0.005% (50 ppm) or better
AC Frequency Resolution	18-bit, 0.0004% (3.81 ppm), 3 μHz min
EIS Amplitude Resolution	24-bit resolution
Potentiostatic EIS Amplitude	≤ 100% of range, 6 V max
Potentiostatic EIS Amplitude Resolution	0.000012% (0.12 ppm) of setpoint/measured
Galvanostatic EIS Amplitude	≤ 100% of range, 20 A max
Galvanostatic EIS Amplitude Resolution	0.000012% (0.12 ppm) of range

Squidstat
Cyclers

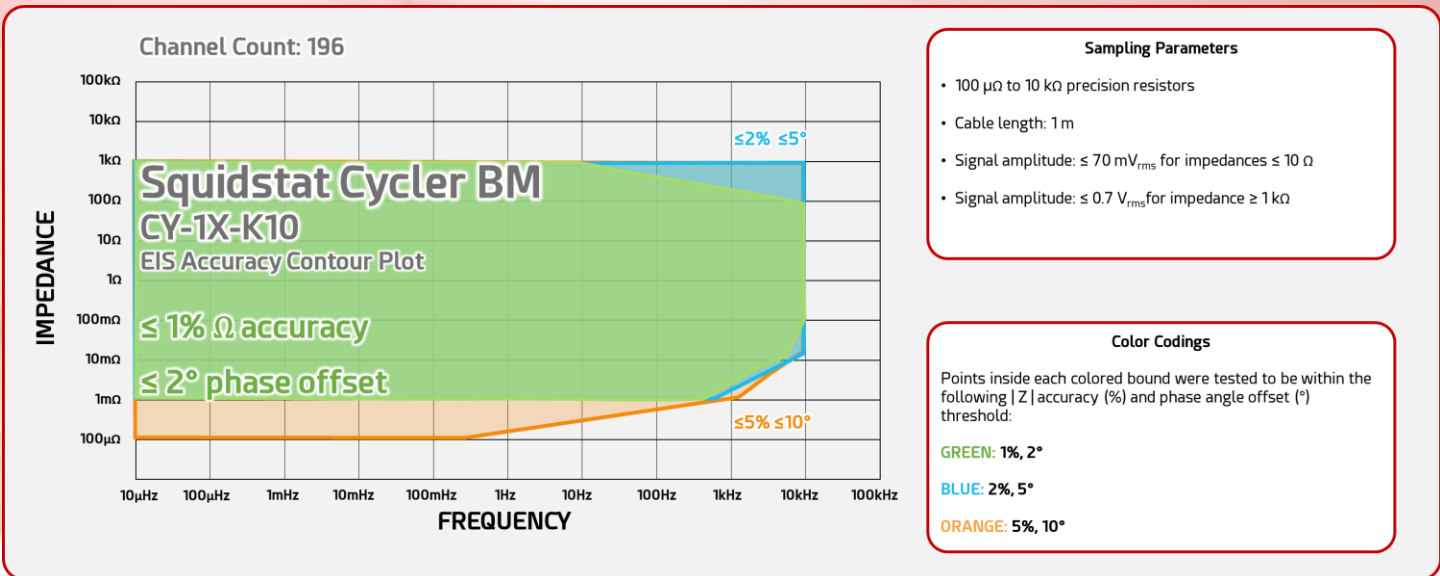| Item Name	Serial Numbers
Squidstat Cycler - Base Model	1630-ongoing
Customized Squidstat Cycler	1630-ongoing

Squidstat Cycler - Base Model Complete Setup

Item Name & Description	Price USD & Lead Time

Squidstat Cycler – Base Model Complete Setup
- One Squidstat Cycler - Base Model (#CY-1X-K10-BM)
    - o Four-channel battery cycler with FRA
    - o Current range: ±5 A max
    - o Voltage scan range: 0-5 V
    - o EIS frequency range: 10 µHz - 10 kHz
    - o Compatible with Windows, MacOS, and Ubuntu via the Squidstat User Interface software and Application Programming Interface
    - o Multiple units can run simultaneously with other Squidstat models
    - o The current range can be increased up to ±20 A by paralleling the channels
    - o Made in USA
- Four 1-meter Squidstat Low Current Channel Cable – Cycler (#CB-CY-LC-1)
- One Power Source Cable (Country based)
- One USB Cable (#UB12-06-BLK)
- Eight Alligator Clips – 2 mm – Red (#BU-P5788-2)
- Eight Alligator Clips – 2 mm – Black (#BU-P5788-0)

Item Number: CY-1X-K10-BM-CS
List Price: $9,500.00
Std Lead Time: 20 Business Days ARO
Warranty Period: 2-years
Serial Numbers: 1630 –ongoing

Squidstat Cycler – Base Model Accuracy Contour Plot (ACP)

Channel Count: 196

Squidstat Cycler BM
CY-1X-K10
EIS Accuracy Contour Plot
≤ 1% Ω accuracy
≤ 2° phase offset

≤2% ≤5°
≤5% ≤10°

Sampling Parameters
- 100 µΩ to 10 kΩ precision resistors
- Cable length: 1 m
- Signal amplitude: ≤ 70 mV$_{rms}$ for impedances ≤ 10 Ω
- Signal amplitude: ≤ 0.7 V$_{rms}$ for impedance ≥ 1 kΩ

Color Codings

Points inside each colored bound were tested to be within the following |Z| accuracy (%) and phase angle offset (°) threshold:

GREEN: 1%, 2°
BLUE: 2%, 5°
ORANGE: 5%, 10°

DETAILED HARDWARE SPECIFICATIONS ON NEXT PAGE

Squidstat Cycler – Base Model Specifications

General Specifications	
Channels Per Unit	4
Operating Modes	Pot / Gal / FRA
Cell Connections	4-terminal, power + remote sense
ADC/DAC Resolution	24-bit resolution
Slew Rate (1 kΩ load)	50 V/s (0 V to +1 V)
Shortest DC data recording interval	188 µs
Shortest data hardware sampling interval	16 µs
Floating/Ground Mode	Ground only
Input Impedance	1.76 Mohm
Input Bias Current	2.84 µA
Data Backup Memory	No data backup
Temperature Measurement	-55°C to 80°C Thermistor per channel (± 1.25°C accuracy)
Dimension and Weight	23 L x 17 W x 6 H cm, 1 kg
Channel Cable Length	1 m
Computer Interface	USB
Temperature Operating Range	0 to 40 ℃
Min/Max Scan Rate	320 nV/s
	16 V/s with 10 mV sampling
Smallest Pulse Width	1 ms
Smallest Potential Step for Sweep Voltammetry	0.000006% (0.06 ppm) of setpoint/measured, 320 nV min
Square Wave Voltammetry Max Frequency	6 Hz (0 V to +1 V)
Power Supply Requirements	180 -264 VAC
	47-63 Hz

Potentiostatic Input/Output	
Compliance Voltage	0 - 10 V
Voltage Scan Range	0 - 5 V
Number of Voltage Ranges	1 range [0 - 10 V]
Applied Voltage Accuracy	± 500 µV of setppoint
Applied Voltage Resolution	0.000006% (0.06 ppm) of range, 320 nV min
Measured Voltage Accuracy	± 500 µV Initial, ± 0.015% of measurement per year
Measured Voltage Resolution	0.000006% (0.06 ppm) of range, 320 nV min
Time Resolution	< 100 µs
Rise Time	20 ms Typical (10-90%, 0.5-4.5 V)

Galvanostatic Input/Output	
Current Range	± 5.0 A per channel
Number of Current Ranges	2 ranges, [5 A, 500 mA]
Applied Current Accuracy	0.1% of range ± 1.50 mA/250 µA
Applied Current Resolution	0.000012% (0.12 ppm) of range, 600 nA/60 nA
Measured Current Accuracy	0.1% of range ± 1.50 mA/250 µA
Measured Current Resolution	0.000012% (0.12 ppm) of range, 600 nA/60 nA
Current Precision Settling Time (Step Change)	< 10 ms to 0.15% typical, load dependent

Impedance Analyzer	
EIS Frequency Range	10 µHz to 10 kHz
AC Frequency Accuracy	0.005% (50 ppm) or better
EIS Amplitude Resolution	24-bit resolution
Potentiostatic EIS Amplitude Resolution	0.000006% (0.06 ppm) of setpoint/measured, 320 nV min
Galvanostatic EIS Amplitude Resolution	0.000012% (0.12 ppm) of range, 600 nA/60 nA

Squidstat Cycler - XChYVZA Complete Setup

Item Name & Description	Price USD & Lead Time

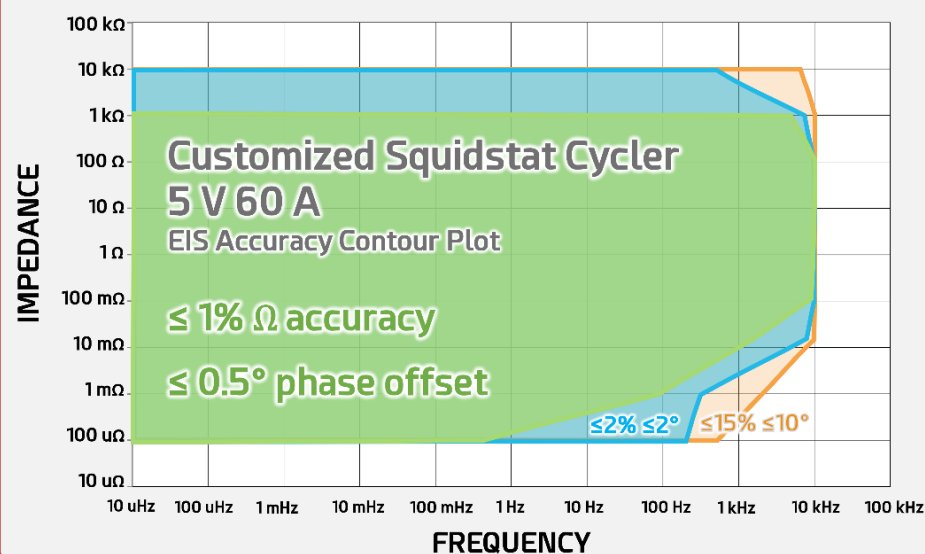**Squidstat Cycler – XChYVZA Complete Setup**
- One Squidstat Cycler - XChYVZA (#CY-1X-K10- XChYVZA)
  - o X-channel battery cycler with FRA
  - o Current range: ±Z A max
  - o Voltage scan range: 0-Y V
  - o EIS frequency range: 10 µHz - 10 kHz
  - o Compatible with Windows, MacOS, and Ubuntu via the Squidstat User Interface software and Application Programming Interface
  - o Multiple units can run simultaneously with other Squidstat models
  - o The current range can be increased up to ±(X×Z) A by paralleling the channels
  - o Made in USA
- X 1-meter Squidstat High Current Channel Cable Set – Cycler (1 m)
- Power Supply – Mean Well BIC-2200-48 (#BIC-2200-48)
- One USB Cable (#UB12-06-BLK)
- X Alligator Clips – 2 mm – Red (#BU-P5788-2)
- FX Alligator Clips – 2 mm – Black (#BU-P5788-0)

Item Number: CY-1X-K10- XChYVZA-CS
List Price: Contact us for pricing
Std Lead Time: 40 Business Days ARO
Warranty Period: 2-years

Squidstat Cycler – XChYVZA Customization Options

- **Number of channels (X):** from 2 to **40 channels** with increments of 2

- **Rack mount:** solutions available for high channels count configurations

- **Voltage (Y):** from +5 V to **+60 V** with increments of 5 V per channel

- **Current (Z):** from ± 5 A to **± 60 A** with increments of 5 A per channel

- **Power:** 3 kW max output per channel with 24 kW max output per unit

- **Channel cabling: 1m standard**, with 2m and 3m options available

Squidstat Cycler – XChYVZA Important Features

- **Regenerative power options:** to conserve energy

- **Voltage and current ranges:** one **24-bit voltage** range and **3 current ranges**

- **Accuracy: No decrease in accuracy** in lower current or voltage ranges with higher power configurations

- **EIS:** ability to run EIS **within a full DC range**

- **Parallel channels:** ability to **stack current up to 1000 A**

- **Bipolar channels:** ability to **scan negative voltages**

- **Minimum possible current measurement accuracy:** 0.1% of Meas + 19.50 mA/1.50 mA/250.0 µA (floor for each of the three current ranges). The 75 0µA best possible accuracy makes the Squidstat Cycler not suited for coin-cell studies

Please share the answers to the following questions when requesting a quotation for a customized Squidstat Cycler:

- Are there any **number of channels** you are specifically interested in?

- What is the expected **maximum voltage**?

- What is the expected **maximum current**?

- What is your **measurement precision** requirement?

- If you are interested in performing **Electrochemical Impedance Spectroscopy** (EIS) what is the preferred **frequency range**?

Customized Cycler Example #1: Squidstat Cycler - 4Ch5V60A Complete Setup

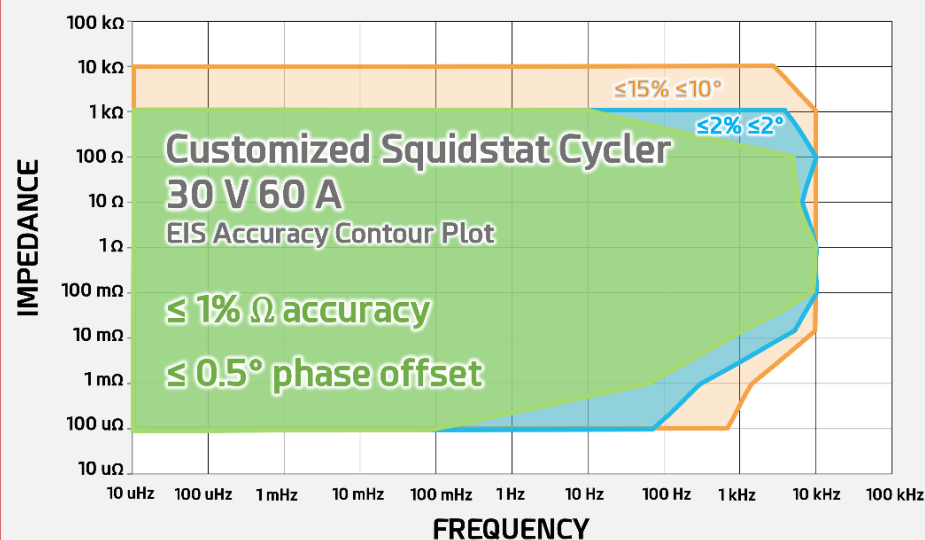| Item Name & Description	Price USD & Lead Time

Squidstat Cycler – 4Ch5V60A Complete Setup
- One Squidstat Cycler - 4Ch5V60A (#CY-1X-K10-4Ch5V60A)
  - Four-channel battery cycler with FRA
  - Current range: ±60 A max
  - Voltage scan range: 0-5 V
  - EIS frequency range: 10 µHz - 10 kHz
  - Compatible with Windows, MacOS, and Ubuntu via the Squidstat User Interface software and Application Programming Interface
  - Multiple units can run simultaneously with other Squidstat models
  - The current range can be increased up to ±240 A by paralleling the channels
  - Made in USA
- Four 1-meter Squidstat High Current (6 AWG) Channel Cable Set – Cycler (1 m) (#CB-CY-HC-6-1)
- One Squidstat Cycler – Power Supply – Mean Well BIC-2200-48 (#BIC-2200-48)
- One USB Cable (#UB12-06-BLK)
- Four Alligator Clips – 2 mm – Red (#BU-P5788-2)
- Four Alligator Clips – 2 mm – Black (#BU-P5788-0)

Item Number:	CY-1X-K10-4Ch5V60A-CS
List Price:	$31,600.00
Std Lead Time:	40 Business Days ARO
Warranty Period:	2-years

No Picture Available

Squidstat Cycler - 4Ch5V60A Accuracy Contour Plot (ACP)

Customized Squidstat Cycler 5 V 60 A
EIS Accuracy Contour Plot
≤ 1% Ω accuracy
≤ 0.5° phase offset

Sampling Parameters
- 100 µΩ to 10 kΩ precision resistors
- Cable length: 1 m
- Signal amplitude: ≤ 2 A_{rms} for impedances ≤ 15 mΩ
- Signal amplitude: ≤ 100 mA_{rms} for impedances ≤ 1 Ω
- Signal amplitude: ≤ 100 mV_{rms} for impedances ≤ 100 Ω
- Signal amplitude: 1 V_{rms} for impedances ≥ 1 kΩ

Color Codings
The GREEN, BLUE, and ORANGE areas show accuracy within percent (%) impedance and degrees (°) phase offset:

GREEN: 1%, 0.5°

BLUE: 2%, 2°

ORANGE: 15%, 10°

Note: *The Accuracy Contour Plot (ACP) shown here represents a single channel as an example. We provide ACPs specific to each individual channel.*

DETAILED HARDWARE SPECIFICATIONS ON NEXT PAGE

Squidstat Cycler - 4Ch5V60A Specifications

Squidstat Cycler 4Ch5V60A Specifications	
Number of Channels Per Device	4 Channels
Physical Dimensions	Squidstat Cycler Unit: 23 x 17 x 6 cm
	BIC-2200 Bi-Directional Power Supply: 33 x 14 x 5 cm
Cell Connections on Channel Cabling	4-Terminal, Power + Remote Sense
Channel Cable Length	1 m
Temperature Measurement	-55°C to 80°C Thermistor Per Channel (± 1.25°C Accuracy)
Voltage Measurement Range	0 - 5.0 V, 24-Bit Precision
Compliance Voltage Range (at Device Terminals)	0 - 10.0 V
Voltage Accuracy	± 500.0 µV Initial, ± 0.015% of Measurement Per Year
Voltage Resolution	321.24 nV
Maximum Current	± 60.0 A Per Channel
Current Ranges	3 Ranges (60.0 A/5.0 A/500.0 mA)
Current Accuracy	0.1% of Meas ± 19.50 mA/1.50 mA/250.0 µA
	0.25% of Meas > 30 A
Current Resolution	0.1 ppm of Range (min 69.75 nA)
Current Precision Settling Time (Step Change)	< 10 ms to 0.15% Typical, Load Dependent
	< 25 ms to 0.5% and < 3s to 0.25% at Currents > 30 A
Current Paralleling	± 240.0 A Maximum
Max Source Power with Single Channel in Use	300.0 W Per Channel
Max Sink Power with Single Channel in Use	300.0 W Per Channel
Max Source Power when All Channels in Use (with All Channels Running at Equal Max Power)	300.0 W Per Channel
	1.20 kW Per Device
Max Sink Power with All Channels in Use (with All Channels Running at Equal Max Power)	300.0 W Per Channel
	1.20 kW Per Device
Idle Power Consumption	4 W
EIS Frequency Range	Per Channel: 10 µHz to 10 kHz
EIS Impedance Range	Min 100.0 µOhm (≥ 4.0 A AC)
	Max 10.0 kOhm (≥ 1 V AC)
EIS Voltage Amplitude For Best Accuracy	2.50 mV to 2.50 V (DC ± AC < 5.0 V)
	(Limited to 500 mV Input Amplitude at 10 kHz Due to Slew Rate)
EIS Current Amplitude Ranges For Best Accuracy	32.50 mA to 60.0 A (DC ± AC < 60.0 A)
	2.50 mA to 5.0 A (DC ± AC < 5.0 A)
	250.0 µA to 500.0 mA (DC ± AC < 500.0 mA)
Voltage Sense Line Impedance	1.76 MOhm
DC Sampling Rate	2500 Samples/s Per Device
Minimum Time Step	500 µs
Time Resolution	< 100 µs
Rise Time	5.2ms Typical (10%-90%, 0.5-4.5 V)
Slew Rate	1 kV/s DC, 30 kV/s Max AC

Customized Cycler Example #2: Squidstat Cycler - 2Ch30V60A Complete Setup

Item Name & Description	Price USD & Lead Time	

Squidstat Cycler – 2Ch30V60A Complete Setup
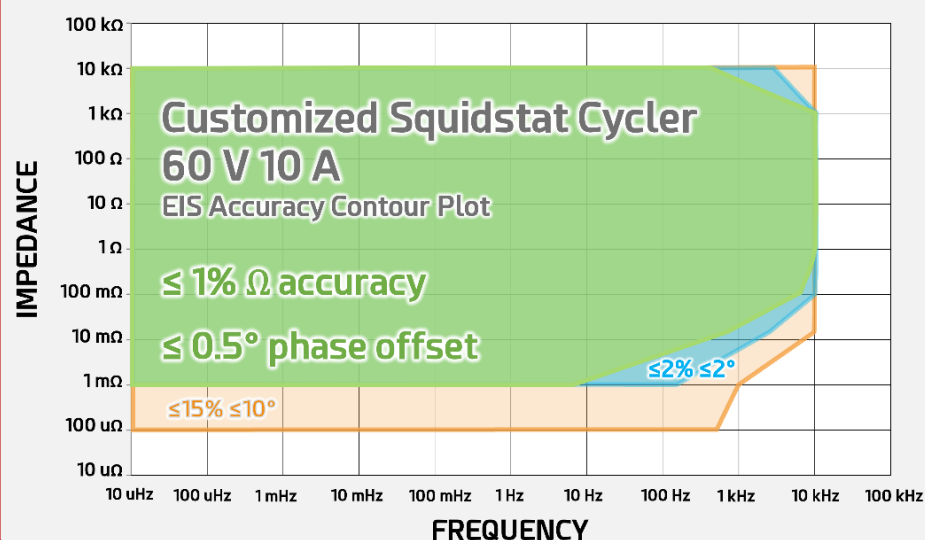- One Squidstat Cycler - 2Ch30V60A (#CY-1X-K10-2Ch30V60A)
  - o Two-channel battery cycler with FRA
  - o Current range: ±60 A max
  - o Voltage scan range: 0-30 V
  - o EIS frequency range: 10 µHz - 10 kHz
  - o Compatible with Windows, MacOS, and Ubuntu via the Squidstat User Interface software and Application Programming Interface
  - o Multiple units can run simultaneously with other Squidstat models
  - o The current range can be increased up to ±120 A by paralleling the channels
  - o Made in USA
- Two 1-meter Squidstat High Current (6 AWG) Channel Cable Set – Cycler (1 m) (#CB-CY-HC-6-1)
- Two Squidstat Cycler – Power Supply – Mean Well BIC-2200-48 (#BIC-2200-48)
- One USB Cable (#UB12-06-BLK)
- Two Alligator Clips – 2 mm – Red (#BU-P5788-2)
- Two Alligator Clips – 2 mm – Black (#BU-P5788-0)

Item Number: CY-1X-K10-2Ch30V60A-CS
List Price: $31,100.00
Std Lead Time: 40 Business Days ARO
Warranty Period: 2-years

No Picture Available

Squidstat Cycler - 2Ch30V60A Accuracy Contour Plot (ACP)

Sampling Parameters
- 100 µΩ to 10 kΩ precision resistors
- Cable length: 1 m
- Signal amplitude: ≤ 2 A_{rms} for impedances ≤ 15 mΩ
- Signal amplitude: ≤ 100 mA_{rms} for impedances ≤ 1 Ω
- Signal amplitude: ≤100 mV_{rms} for impedances ≤ 100 Ω
- Signal amplitude: 1 V_{rms} for impedances ≥ 1 kΩ

Color Codings
The GREEN, BLUE, and ORANGE areas show accuracy within percent (%) impedance and degrees (°) phase offset:
- GREEN: 1%, 0.5°
- BLUE: 2%, 2°
- ORANGE: 15%, 10°

Note: The Accuracy Contour Plot (ACP) shown here represents a single channel as an example. We provide ACPs specific to each individual channel.

DETAILED HARDWARE SPECIFICATIONS ON NEXT PAGE

Squidstat Cycler - 2Ch30V60A Specifications

Squidstat Cycler 2Ch30V60A Specifications	
Number of Channels Per Device	2 Channels
Physical Dimensions	Squidstat Cycler Unit: 23 x 17 x 6 cm
	BIC-2200 Bi-Directional Power Supply: 33 x 14 x 10 cm
Cell Connections on Channel Cabling	4-Terminal, Power + Remote Sense
Channel Cable Length	1 m
Temperature Measurement	-55°C to 80°C Thermistor Per Channel (± 1.25°C Accuracy)
Voltage Measurement Range	0 - 30.0 V, 24-Bit Precision
Compliance Voltage Range (at Device Terminals)	0 - 38.0 V
Voltage Accuracy	± 3.0 mV Initial, ± 0.015% of Measurement Per Year
Voltage Resolution	1.93 µV
Maximum Current	± 60.0 A Per Channel
Current Ranges	3 Ranges (60.0 A/5.0 A/500.0 mA)
Current Accuracy	0.1% of Meas ± 19.50 mA/1.50 mA/250.0 µA
	0.25% of Meas > 30 A
Current Resolution	0.1 ppm of Range (min 69.75 nA)
Current Precision Settling Time (Step Change)	< 10 ms to 0.15% Typical, Load Dependent
	< 25 ms to 0.5% and < 3s to 0.25% at Currents > 30 A
Current Paralleling	± 120.0 A Maximum
Max Source Power with Single Channel in Use	1.80 kW Per Channel
Max Sink Power with Single Channel in Use	1.80 kW Per Channel
Max Source Power when All Channels in Use (with All Channels Running at Equal Max Power)	1.80 kW Per Channel
	3.60 kW Per Device
Max Sink Power with All Channels in Use (with All Channels Running at Equal Max Power)	1.80 kW Per Channel
	3.60 kW Per Device
Idle Power Consumption	2 W
EIS Frequency Range	Per Channel: 10 µHz to 10 kHz
EIS Impedance Range	Min 100.0 µOhm (≥ 15.0 A AC)
	Max 10.0 kOhm (≥ 1 V AC)
EIS Voltage Amplitude For Best Accuracy	15.0 mV to 15.0 V (DC ± AC < 30.0 V)
	(Limited to 500 mV Input Amplitude at 10 kHz Due to Slew Rate)
EIS Current Amplitude Ranges For Best Accuracy	32.50 mA to 60.0 A (DC ± AC < 60.0 A)
	2.50 mA to 5.0 A (DC ± AC < 5.0 A)
	250.0 µA to 500.0 mA (DC ± AC < 500.0 mA)
Voltage Sense Line Impedance	1.13 MOhm
DC Sampling Rate	2500 Samples/s Per Device
Minimum Time Step	500 µs
Time Resolution	< 100 µs
Rise Time	5.2ms Typical (10%-90%, 3-27 V)
Slew Rate	1 kV/s DC, 30 kV/s Max AC

Customized Cycler Example #3: Squidstat Cycler - 4Ch60V10A Complete Setup

Item Name & Description	Price USD & Lead Time	

Squidstat Cycler – 4Ch60V10A Complete Setup
- One Squidstat Cycler - 4Ch60V10A (#CY-1X-K10-4Ch60V10A)
  - o Four-channel battery cycler with FRA
  - o Current range: ±10 A max
  - o Voltage scan range: 0-60 V
  - o EIS frequency range: 10 µHz - 10 kHz
  - o Compatible with Windows, MacOS, and Ubuntu via the Squidstat User Interface software and Application Programming Interface
  - o Multiple units can run simultaneously with other Squidstat models
  - o The current range can be increased up to ±40 A by paralleling the channels
  - o Made in USA
- Four 1-meter Squidstat High Current (6 AWG) Channel Cable Set – Cycler (1 m) (#CB-CY-HC-6-1)
- Two Squidstat Cycler – Power Supply – Mean Well BIC-2200-48 (#BIC-2200-48)
- One USB Cable (#UB12-06-BLK)
- Four Alligator Clips – 2 mm – Red (#BU-P5788-2)
- Four Alligator Clips – 2 mm – Black (#BU-P5788-0)

Item Number:	CY-1X-K10-4Ch60V10A-CS
List Price:	$40,600.00
Std Lead Time:	40 Business Days ARO
Warranty Period:	2-years

No Picture Available

Squidstat Cycler - 4Ch60V10A Accuracy Contour Plot (ACP)

Sampling Parameters
- 100 µΩ to 10 kΩ precision resistors
- Cable length: 1 m
- Signal amplitude: ≤ 2 A_{rms} for impedances ≤ 15 mΩ
- Signal amplitude: ≤ 100 mA_{rms} for impedances ≤ 1 Ω
- Signal amplitude: ≤100 mV_{rms} for impedances ≤ 100 Ω
- Signal amplitude: 1 V_{rms} for impedances ≥ 1 kΩ

Color Codings

The GREEN, BLUE, and ORANGE areas show accuracy within percent (%) impedance and degrees (°) phase offset:

GREEN: 1%, 0.5°
BLUE: 2%, 2°
ORANGE: 15%, 10°

Note: The Accuracy Contour Plot (ACP) shown here represents a single channel as an example. We provide ACPs specific to each individual channel.

DETAILED HARDWARE SPECIFICATIONS ON NEXT PAGE

Squidstat Cycler - 4Ch60V10A Specifications

Squidstat Cycler 4Ch60V10A Specifications	
Number of Channels Per Device	4 Channels
Physical Dimensions	Squidstat Cycler Unit: 23 x 17 x 6 cm
	BIC-2200 Bi-Directional Power Supply: 33 x 14 x 10 cm
Cell Connections on Channel Cabling	4-Terminal, Power + Remote Sense
Channel Cable Length	1 m
Temperature Measurement	-55°C to 80°C Thermistor Per Channel (± 1.25°C Accuracy)
Voltage Measurement Range	0 - 60.0 V, 24-Bit Precision
Compliance Voltage Range (at Device Terminals)	0 - 62.0 V
Voltage Accuracy	± 6.0 mV Initial, ± 0.015% of Measurement Per Year
Voltage Resolution	3.85 µV
Maximum Current	± 10.0 A Per Channel
Current Ranges	3 Ranges (10.0 A/5.0 A/500.0 mA)
Current Accuracy	0.1% of Meas ± 19.50 mA/1.50 mA/250.0 µA
Current Resolution	0.1 ppm of Range (min 69.75 nA)
Current Precision Settling Time (Step Change)	< 10 ms to 0.15% Typical, Load Dependent
Current Paralleling	± 40.0 A Maximum
Max Source Power with Single Channel in Use	600.0 W Per Channel
Max Sink Power with Single Channel in Use	600.0 W Per Channel
Max Source Power when All Channels in Use (with All Channels Running at Equal Max Power)	600.0 W Per Channel
	2.40 kW Per Device
Max Sink Power with All Channels in Use (with All Channels Running at Equal Max Power)	600.0 W Per Channel
	2.40 kW Per Device
Idle Power Consumption	4 W
EIS Frequency Range	Per Channel: 10 µHz to 10 kHz
EIS Impedance Range	Min 300.0 µOhm (≥ 10.0 A AC)
	Max 10.0 kOhm (≥ 1 V AC)
EIS Voltage Amplitude For Best Accuracy	30.0 mV to 30.0 V (DC ± AC < 60.0 V)
	(Limited to 500 mV Input Amplitude at 10 kHz Due to Slew Rate)
EIS Current Amplitude Ranges For Best Accuracy	32.50 mA to 10.0 A (DC ± AC < 10.0 A)
	2.50 mA to 5.0 A (DC ± AC < 5.0 A)
	250.0 µA to 500.0 mA (DC ± AC < 500.0 mA)
Voltage Sense Line Impedance	1.06 MOhm
DC Sampling Rate	2500 Samples/s Per Device
Minimum Time Step	500 µs
Time Resolution	< 100 µs
Rise Time	5.2ms Typical (10%-90%, 6-54 V)
Slew Rate	1 kV/s DC, 30 kV/s Max AC

Squidstat
Channel Cables

Squidstat Basic Cell Cable
Squidstat Advanced Cell Cables - Foundation
Squidstat Advanced Cell Cables - Boosted
Squidstat Low Current Channel Cable - Cycler
Squidstat High Current Channel Cable - Cycler
Alligator Clips

Squidstat Basic Cell Cable Collection

Item Name & Description	Price USD & Lead Time

Squidstat Basic Cell Cable (1 m)

- One 1-meter cable consisting of 5-electrode (working, counter, reference, working sense, & counter sense) leads with 2 mm banana pin connectors
- Compatible with Squidstat Plus (serial numbers below 1700: PL-21-M1, PL-22-M1 & PL-23-M1), Squidstat Prime (PR-2-03), and Squidstat Solo (SO-2-02 & SO-23)
- Made in USA
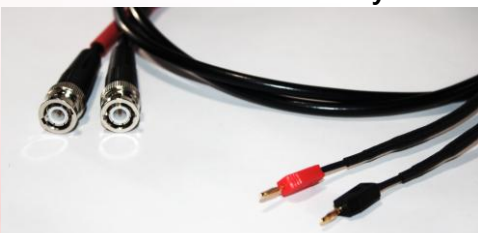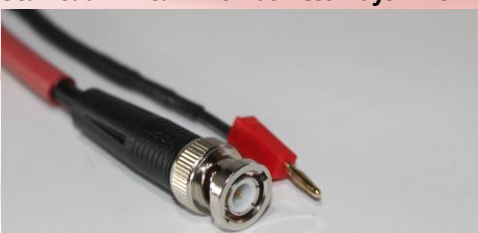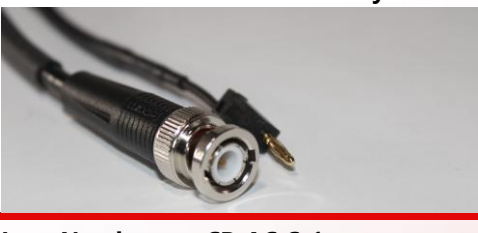
Item Number:	**CB-BC-1**
List Price:	**$300.00**
Std Lead Time:	**10 Business Days ARO**

Squidstat Advanced Cell Cable – Foundation Collection

Item Name & Description	Price USD & Lead Time

Squidstat Advanced Cell Cable Set – Foundation (1 m)
- One 1-meter cable set consisting of one working electrode cable (#CB-AC-FS-WE-1), one counter electrode cable (#CB-AC-FS-CE-1), and one 3-electrode (reference, working sense, & counter sense) lead sense cable (#CB-AC-S-1) with 2 mm banana pin connectors
- Compatible with Squidstat Plus (serial numbers above 1700: PL-24-M1 & PL-24X-M2)
- Made in USA

Item Number:	CB-AC-FS-1
List Price:	$400.00
Std Lead Time:	20 Business Days ARO

Squidstat Advanced Cell Cable – Foundation Current Pair Only (1 m)
- One 1-meter cable pair consisting of one working electrode cable (#CB-AC-FS-WE-1) and one counter electrode cable (#CB-AC-FS-CE-1) with 2 mm banana pin connectors
- Squidstat Plus (serial numbers above 1700: PL-24-M1 & PL-24X-M2)
- Made in USA

Item Number:	CB-AC-FS-P-1
List Price:	$100.00
Std Lead Time:	20 Business Days ARO

Squidstat Advanced Cell Cable – Foundation Current WE Only (1 m)
- One 1-meter working electrode cable with 2 mm banana pin connector
- Squidstat Plus (serial numbers above 1700: PL-24-M1 & PL-24X-M2)
- Made in USA

Item Number:	CB-AC-FS-WE-1
List Price:	$50.00
Std Lead Time:	20 Business Days ARO

Squidstat Advanced Cell Cable – Foundation Current CE Only (1 m)
- One 1-meter counter electrode cable with 2 mm banana pin connector
- Squidstat Plus (serial numbers above 1700: PL-24-M1 & PL-24X-M2)
- Made in USA

Item Number:	CB-AC-FS-CE-1
List Price:	$50.00
Std Lead Time:	20 Business Days ARO

Squidstat Advanced Cell Cable – Sense Only (1 m)
- One 1-meter cable consisting of 3-electrode (reference, working sense, & counter sense) leads with 2 mm banana pin connectors
- Compatible with Squidstat Plus (serial numbers above 1700: PL-24-M1 & PL-24X-M2), Squidstat Penta (PE-20-M2, PE-2X-M2 & PE-24-M2), Squidstat Decka (DE-20-M2, DE-2X-M2 & DE-24-M2), and Squidstat Venta (VE-20-M2, VE-2X-M2 & VE-24-M2)
- Made in USA

Item Number:	CB-AC-S-1
List Price:	$300.00
Std Lead Time:	20 Business Days ARO

Squidstat Advanced Cell Cable – Boosted Collection

Item Name & Description	Price USD & Lead Time
Squidstat Advanced Cell Cable Set – Boosted (1 m) • One 1-meter cable set consisting of one working electrode cable (#CB-AC-BS-24-WE-1) and one counter electrode cable (#CB-AC-BS-24-CE-1) with 4 mm banana pin connectors, and one 3-electrode (reference, working sense, & counter sense) lead sense cable (#CB-AC-S-1) with 2 mm banana pin connectors • Compatible with Squidstat Penta (PE-24-M2), Squidstat Decka (DE-24-M2), and Squidstat Venta (VE-24-M2) • Made in USA	**Item Number:** CB-AC-BS-24-1 **List Price:** $450.00 **Std Lead Time:** 20 Business Days ARO No Picture Available
Squidstat Advanced Cell Cable – Boosted Current Pair Only (1 m) • One 1-meter cable pair consisting of one working electrode cable (#CB-AC-BS-24-WE-1) and one counter electrode cable (#CB-AC-BS-24-CE-1) with 4 mm banana pin connectors • Compatible with Squidstat Penta (PE-24-M2), Squidstat Decka (DE-24-M2), and Squidstat Venta (VE-24-M2) • Made in USA	**Item Number:** CB-AC-BS-24-P-1 **List Price:** $150.00 **Std Lead Time:** 20 Business Days ARO No Picture Available
Squidstat Advanced Cell Cable – Boosted Current WE Only (1 m) • One 1-meter working electrode cable with 4 mm banana pin connector • Compatible with Squidstat Penta (PE-24-M2), Squidstat Decka (DE-24-M2), and Squidstat Venta (VE-24-M2) • Made in USA	**Item Number:** CB-AC-BS-24-WE-1 **List Price:** $75.00 **Std Lead Time:** 20 Business Days ARO No Picture Available
Squidstat Advanced Cell Cable – Boosted Current CE Only (1 m) • One 1-meter counter electrode cable with 4 mm banana pin connector • Compatible with Squidstat Penta (PE-24-M2), Squidstat Decka (DE-24-M2), and Squidstat Venta (VE-24-M2) • Made in USA	**Item Number:** CB-AC-BS-24-CE-1 **List Price:** $75.00 **Std Lead Time:** 20 Business Days ARO No Picture Available
Squidstat Advanced Cell Cable – Sense Only (1 m) • One 1-meter cable consisting of 3-electrode (reference, working sense, & counter sense) leads with 2 mm banana pin connectors • Compatible with Squidstat Plus (serial numbers above 1700: PL-24-M1 & PL-24X-M2), Squidstat Penta (PE-20-M2, PE-2X-M2 & PE-24-M2), Squidstat Decka (DE-20-M2, DE-2X-M2 & DE-24-M2), and Squidstat Venta (VE-20-M2, VE-2X-M2 & VE-24-M2) • Made in USA	**Item Number:** CB-AC-S-1 **List Price:** $300.00 **Std Lead Time:** 20 Business Days ARO

Squidstat Advanced Cell Cable Set – Boosted (1 m) (Serial Numbers below 3000)
- One 1-meter cable set consisting of one working electrode cable (#CB-AC-BS-WE-1) and one counter electrode cable (#CB-AC-BS-CE-1) with 4 mm banana pin connectors, and one 3-electrode (reference, working sense, & counter sense) lead sense cable (#CB-AC-S-1) with 2 mm banana pin connectors
- Compatible with Squidstat Penta (PE-20-M1 & PE-2X-M2), Squidstat Decka (DE-20-M1 & DE-2X-M2), and Squidstat Venta (VE-20-M1 & VE-2X-M2)
- Made in USA

Item Number:	**CB-AC-BS-1**
List Price:	**$450.00**
Std Lead Time:	**20 Business Days ARO**

Squidstat Advanced Cell Cable – Boosted Current Pair Only (1 m) (Serial Numbers below 3000)
- One 1-meter cable pair consisting of one working electrode cable (#CB-AC-BS-WE-1) and one counter electrode cable (#CB-AC-FBS-CE-1) with 4 mm banana pin connectors
- Compatible with Squidstat Penta (PE-10-M1, PE-20-M2 & PE-2X-M2), Squidstat Decka (DE-10-M1, DE-20-M2 & DE-2X-M2), and Squidstat Venta (VE-10-M1, VE-20-M2 & VE-2X-M2)
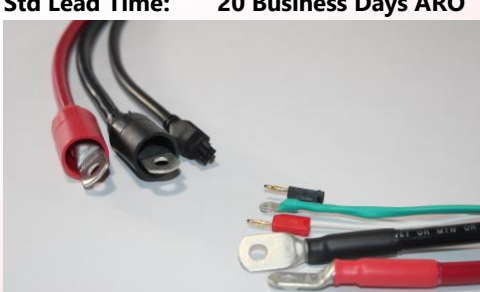- Made in USA

Item Number:	**CB-AC-BS-P-1**
List Price:	**$150.00**
Std Lead Time:	**20 Business Days ARO**

Squidstat Advanced Cell Cable – Boosted Current WE Only (1 m) (Serial Numbers below 3000)
- One 1-meter working electrode cable with 4 mm banana pin connector
- Compatible with Squidstat Penta (PE-10-M1, PE-20-M2 & PE-2X-M2), Squidstat Decka (DE-10-M1, DE-20-M2 & DE-2X-M2), and Squidstat Venta (VE-10-M1, VE-20-M2 & VE-2X-M2)
- Made in USA

Item Number:	**CB-AC-BS-WE-1**
List Price:	**$75.00**
Std Lead Time:	**20 Business Days ARO**

Squidstat Advanced Cell Cable – Boosted Current CE Only (1 m) (Serial Numbers below 3000)
- One 1-meter counter electrode cable with 4 mm banana pin connector
- Compatible with Squidstat Penta (PE-10-M1, PE-20-M2 & PE-2X-M2), Squidstat Decka (DE-10-M1, DE-20-M2 & DE-2X-M2), and Squidstat Venta (VE-10-M1, VE-20-M2 & VE-2X-M2)
- Made in USA

Item Number:	**CB-AC-BS-CE-1**
List Price:	**$75.00**
Std Lead Time:	**20 Business Days ARO**

Squidstat Low Current Channel Cable – Cycler Collection

Item Name, Item Number & Description	Price USD & Lead Time
Squidstat Low Current Channel Cable – Cycler (1 m) • One 1-meter cable consisting of 4-electrode (+current, +voltage, -current, & -voltage) leads with 2 mm banana pin connectors with a thermistor • Compatible with Squidstat Base Model Cycler (CY-1X-K5-BM & CY-1X-K10-BM) and customized Squidstat Cyclers with a current range up to ±5 A (CY-1X-K5-XChYV5A & CY-1X-K10-XChYV5A) • Made in USA	**Item Number:** CB-CY-LC-1 **List Price:** $200.00 **Std Lead Time:** 10 Business Days ARO
Squidstat Low Current Channel Cable – Cycler (2 m) • One 2-meter cable consisting of 4-electrode (+current, +voltage, -current, & -voltage) leads with 2 mm banana pin connectors with a thermistor • Compatible with Squidstat Base Model Cycler (CY-1X-K5-BM & CY-1X-K10-BM) and customized Squidstat Cyclers with a current range up to ±5 A (CY-1X-K5-XChYV5A & CY-1X-K10-XChYV5A) • Made in USA	**Item Number:** CB-CY-LC-2 **List Price:** $300.00 **Std Lead Time:** 20 Business Days ARO
Squidstat Low Current Channel Cable – Cycler (3 m) • One 3-meter cable consisting of 4-electrode (+current, +voltage, -current, & -voltage) leads with 2 mm banana pin connectors with a thermistor • Compatible with Squidstat Base Model Cycler (CY-1X-K5-BM & CY-1X-K10-BM) and customized Squidstat Cyclers with a current range up to ±5 A (CY-1X-K5-XChYV5A & CY-1X-K10-XChYV5A) • Made in USA	**Item Number:** CB-CY-LC-3 **List Price:** $400.00 **Std Lead Time:** 20 Business Days ARO

Squidstat High Current Channel Cable – Cycler Collection

Item Name & Description	Price USD & Lead Time

Squidstat High Current (6 AWG) Channel Cable Set – Cycler (1 m)
- One 1-meter cable set consisting of one 6 AWG +current cable (#BC6RD-42IN-14-14-CC), one 6 AWG -current cable (#BC6BK-42IN-14-14-CC) with M6 lugs on both ends and a small straight boot (#222E3V02 & #222E3V14) on cycler end, and one 2-electrode (+voltage & -voltage) lead sense cable (#CB-CY-HC-S-1) with 2 mm banana pin connectors with a thermistor
- Compatible with customized Squidstat Cyclers with a current range higher than ±5 A (CY-1X-K5-XChYVZA & CY-1X-K10-XChYVZA)
- Made in USA

Item Number: CB-CY-HC-6-1
List Price: $250.00
Std Lead Time: 20 Business Days ARO

Squidstat High Current (6 AWG) Channel Cable Set – Cycler (2 m)
- One 2-meter cable set consisting of one 6 AWG +current cable (#BC6RD-7FT-14-14-CC), one 6 AWG -current cable (#BC6BK-7FT-14-14-CC) with M6 lugs on both ends and a small straight boot (#222E3V02 & #222E3V14) on cycler end, and one 2-electrode (+voltage & -voltage) lead sense cable (#CB-CY-HC-S-2) with 2 mm banana pin connectors with a thermistor
- Compatible with customized Squidstat Cyclers with a current range higher than ±5 A (CY-1X-K5-XChYVZA & CY-1X-K10-XChYVZA)
- Made in USA

Item Number: CB-CY-HC-6-2
List Price: $400.00
Std Lead Time: 20 Business Days ARO

Squidstat High Current (6 AWG) Channel Cable Set – Cycler (3 m)
- One 3-meter cable set consisting of one 6 AWG +current cable (#BC6RD-10FT-14-14-CC), one 6 AWG -current cable (#BC6BK-10FT-14-14-CC) with M6 lugs on both ends and a small straight boot (#222E3V02 & #222E3V14) on cycler end, and one 2-electrode (+voltage & -voltage) lead sense cable (#CB-CY-HC-S-3) with 2 mm banana pin connectors with a thermistor
- Compatible with customized Squidstat Cyclers with a current range higher than ±5 A (CY-1X-K5-XChYVZA & CY-1X-K10-XChYVZA)
- Made in USA

Item Number: CB-CY-HC-6-3
List Price: $550.00
Std Lead Time: 20 Business Days ARO

Squidstat High Current (4 AWG) Channel Cable Set – Cycler (3 m)
- One 3-meter cable set consisting of one 4 AWG +current cable (#BC4RD-10FT-14-14-CC), one 4 AWG -current cable (#BC4BK-10FT-14-14-CC) with M6 lugs on both ends and a small straight boot (#222E3V02 & #222E3V14) on cycler end, and one 2-electrode (+voltage & -voltage) lead sense cable (#CB-CY-HC-S-3) with 2 mm banana pin connectors with a thermistor
- Compatible with customized Squidstat Cyclers with a current range higher than ±5 A (CY-1X-K5-XChYVZA & CY-1X-K10-XChYVZA)
- Made in USA

Item Number: CB-CY-HC-4-3
List Price: $570.00
Std Lead Time: 20 Business Days ARO

Squidstat High Current (6 AWG) Channel Cable – Cycler Current Pair Only (1 m)
- One 1-meter cable pair consisting of one 6 AWG +current cable (#BC6RD-42IN-14-14-CC), and one 6 AWG -current cable (#BC6BK-42IN-14-14-CC) with M6 lugs on both ends and a small straight boot (#222E3V02 & #222E3V14) on cycler end
- Compatible with customized Squidstat Cyclers with a current range higher than ±5 A (CY-1X-K5-XChYVZA & CY-1X-K10-XChYVZA)
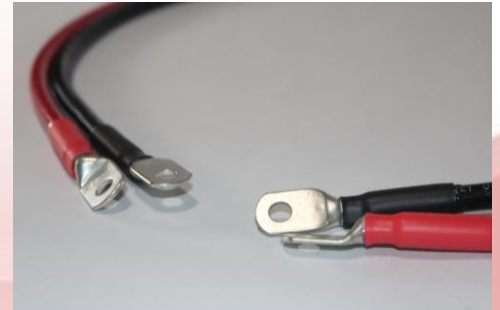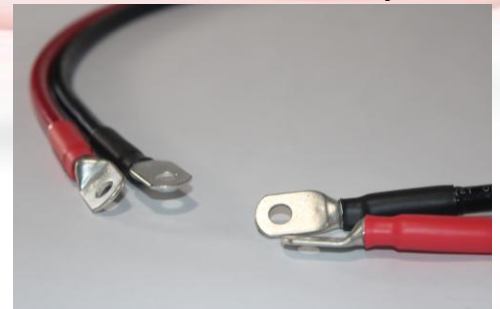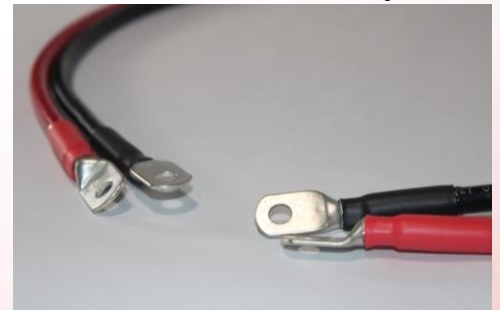
Item Number:	CB-CY-HC-P-6-1
List Price:	$50.00
Std Lead Time:	10 Business Days ARO

Squidstat High Current (6 AWG) Channel Cable – Cycler Current Pair Only (2 m)
- One 2-meter cable pair consisting of one 6 AWG +current cable (#BC6RD-7FT-14-14-CC), and one 6 AWG -current cable (#BC6BK-7FT-14-14-CC) with M6 lugs on both ends and a small straight boot (#222E3V02 & #222E3V14) on cycler end
- Compatible with customized Squidstat Cyclers with a current range higher than ±5 A (CY-1X-K5-XChYVZA & CY-1X-K10-XChYVZA)

Item Number:	CB-CY-HC-P-6-2
List Price:	$100.00
Std Lead Time:	10 Business Days ARO

Squidstat High Current (6 AWG) Channel Cable – Cycler Current Pair Only (3 m)
- One 3-meter cable pair consisting of one 6 AWG +current cable (#BC6RD-10FT-14-14-CC), and one 6 AWG -current cable (#BC6BK-10FT-14-14-CC) with M6 lugs on both ends and a small straight boot (#222E3V02 & #222E3V14) on cycler end
- Compatible with customized Squidstat Cyclers with a current range higher than ±5 A (CY-1X-K5-XChYVZA & CY-1X-K10-XChYVZA)

Item Number:	CB-CY-HC-P-6-3
List Price:	$150.00
Std Lead Time:	10 Business Days ARO

Squidstat High Current (4 AWG) Channel Cable – Cycler Current Pair Only (3 m)
- One 3-meter cable pair consisting of one 4 AWG +current cable (#BC4RD-10FT-14-14-CC), and one 4 AWG -current cable (#BC4BK-10FT-14-14-CC) with M6 lugs on both ends and a small straight boot (#222E3V02 & #222E3V14) on cycler end
- Compatible with customized Squidstat Cyclers with a current range higher than ±5 A (CY-1X-K5-XChYVZA & CY-1X-K10-XChYVZA)

Item Number:	CB-CY-HC-P-4-3
List Price:	$170.00
Std Lead Time:	10 Business Days ARO

Squidstat High Current (6 AWG) Channel Cable – Cycler +Current Only (1 m)
- One 1-meter 6 AWG +current cable (#BC6RD-42IN-14-14-CC) with M6 lugs on both ends and a small red straight boot (#222E3V02) on cycler end
- Compatible with customized Squidstat Cyclers with a current range higher than ±5 A (CY-1X-K5-XChYVZA & CY-1X-K10-XChYVZA)

Item Number:	BC6RD-42IN-14-14-CC
List Price:	$25.00
Std Lead Time:	10 Business Days ARO

Squidstat High Current (6 AWG) Channel Cable – Cycler +Current Only (2 m)
- One 2-meter 6 AWG +current cable (#BC6RD-7FT-14-14-CC) with M6 lugs on both ends and a small red straight boot (#222E3V02) on cycler end
- Compatible with customized Squidstat Cyclers with a current range higher than ±5 A (CY-1X-K5-XChYVZA & CY-1X-K10-XChYVZA)

Item Number:	BC6RD-7FT-14-14-CC
List Price:	$50.00
Std Lead Time:	10 Business Days ARO

Squidstat High Current (6 AWG) Channel Cable – Cycler +Current Only (3 m)
- One 3-meter 6 AWG +current cable (#BC6RD-10FT-14-14-CC) with M6 lugs on both ends and a small red straight boot (#222E3V02) on cycler end
- Compatible with customized Squidstat Cyclers with a current range higher than ±5 A (CY-1X-K5-XChYVZA & CY-1X-K10-XChYVZA)

Item Number:	BC6RD-10FT-14-14-CC
List Price:	$75.00
Std Lead Time:	10 Business Days ARO

Squidstat High Current (6 AWG) Channel Cable – Cycler -Current Only (1 m)
- One 1-meter 6 AWG -current cable (#BC6BK-42IN-14-14-CC) with M6 lugs on both ends and a small black straight boot (#222E3V14) on cycler end
- Compatible with customized Squidstat Cyclers with a current range higher than ±5 A (CY-1X-K5-XChYVZA & CY-1X-K10-XChYVZA)

Item Number:	BC6BK-42IN-14-14-CC
List Price:	$25.00
Std Lead Time:	10 Business Days ARO

Squidstat High Current (6 AWG) Channel Cable – Cycler -Current Only (2 m)
- One 2-meter 6 AWG -current cable (#BC6BK-7FT-14-14-CC) with M6 lugs on both ends and a small black straight boot (#222E3V14) on cycler end
- Compatible with customized Squidstat Cyclers with a current range higher than ±5 A (CY-1X-K5-XChYVZA & CY-1X-K10-XChYVZA)

Item Number:	BC6BK-7FT-14-14-CC
List Price:	$50.00
Std Lead Time:	10 Business Days ARO

Squidstat High Current (6 AWG) Channel Cable – Cycler -Current Only (3 m)
- One 3-meter 6 AWG -current cable (#BC6BK-10FT-14-14-CC) with M6 lugs on both ends and a small black straight boot (#222E3V14) on cycler end
- Compatible with customized Squidstat Cyclers with a current range higher than ±5 A (CY-1X-K5-XChYVZA & CY-1X-K10-XChYVZA)

Item Number:	BC6BK-10FT-14-14-CC
List Price:	$75.00
Std Lead Time:	10 Business Days ARO

Squidstat High Current (4 AWG) Channel Cable – Cycler +Current Only (3 m)
- One 3-meter 4 AWG +current cable (#BC4RD-10FT-14-14-CC) with M6 lugs on both ends and a small red straight boot (#222E3V02) on cycler end
- Compatible with customized Squidstat Cyclers with a current range higher than ±5 A (CY-1X-K5-XChYVZA & CY-1X-K10-XChYVZA)

Item Number:	BC4RD-10FT-14-14-CC
List Price:	$85.00
Std Lead Time:	10 Business Days ARO

Squidstat High Current (4 AWG) Channel Cable – Cycler -Current Only (3 m)
- One 3-meter 4 AWG -current cable (#BC4BK-10FT-14-14-CC) with M6 lugs on both ends and a small black straight boot (#222E3V14) on cycler end
- Compatible with customized Squidstat Cyclers with a current range higher than ±5 A (CY-1X-K5-XChYVZA & CY-1X-K10-XChYVZA)

Item Number:	BC4BK-10FT-14-14-CC
List Price:	$85.00
Std Lead Time:	10 Business Days ARO

Squidstat High Current Channel Cable – Cycler Sense Only (1 m)
- One 1-meter cable set consisting of 2-electrode (+voltage & -voltage) leads with 2 mm banana pin connectors with a thermistor
- Compatible with customized Squidstat Cyclers with a current range higher than ±5 A (CY-1X-K5-XChYVZA & CY-1X-K10-XChYVZA)
- Made in USA

Item Number:	CB-CY-HC-S-1
List Price:	$200.00
Std Lead Time:	10 Business Days ARO
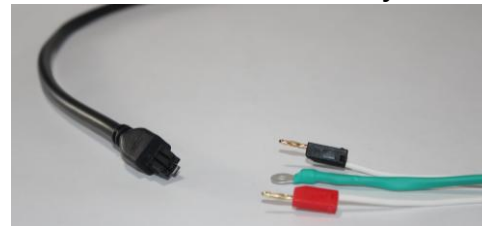
Squidstat High Current Channel Cable – Cycler Sense Only (2 m)
- One 2-meter cable set consisting of 2-electrode (+voltage & -voltage) leads with 2 mm banana pin connectors with a thermistor
- Compatible with customized Squidstat Cyclers with a current range higher than ±5 A (CY-1X-K5-XChYVZA & CY-1X-K10-XChYVZA)
- Made in USA

Item Number:	CB-CY-HC-S-2
List Price:	$300.00
Std Lead Time:	20 Business Days ARO

Squidstat High Current Channel Cable – Cycler Sense Only (3 m)
- One 3-meter cable set consisting of 2-electrode (+voltage & -voltage) leads with 2 mm banana pin connectors with a thermistor
- Compatible with customized Squidstat Cyclers with a current range higher than ±5 A (CY-1X-K5-XChYVZA & CY-1X-K10-XChYVZA)
- Made in USA

Item Number:	CB-CY-HC-S-3
List Price:	$400.00
Std Lead Time:	20 Business Days ARO

Alligator Clips Collection

Item Name & Description	Price USD & Lead Time	

Alligator Clips – 2 mm – Red
- Insulated safety alligator clip (steel) in black
- Compatible with all 2 mm leads across all Squidstat models
- Max current ±10 A

Item Number:	BU-P5788-2
List Price:	$5.00
Std Lead Time:	10 Business Days ARO

Alligator Clips – 2 mm – Black
- Insulated safety alligator clip (steel) in black
- Compatible with all 2 mm leads across all Squidstat models
- Max current ±10 A

Item Number:	BU-P5788-0
List Price:	$5.00
Std Lead Time:	10 Business Days ARO

Alligator Clips – 2 mm – Green
- Insulated safety alligator clip (steel) in green
- Compatible with all 2 mm leads across all Squidstat models
- Max current ±10 A

Item Number:	BU-P5788-5
List Price:	$5.00
Std Lead Time:	10 Business Days ARO

Alligator Clips – 4 mm Small – Red
- Insulated safety alligator clip (steel) in red
- Compatible with all 4 mm leads across all Squidstat models
- Max current ±10 A
- Comes with Squidstat Penta and Squidstat Decka WE cable

Item Number:	BU-110-2
List Price:	$7.00
Std Lead Time:	10 Business Days ARO

Alligator Clips – 4 mm Small – Black
- Insulated safety alligator clip (steel) in black
- Compatible with all 4 mm leads across all Squidstat models
- Max current ±10 A
- Comes with Squidstat Penta and Squidstat Decka CE cable

Item Number:	BU-110-0
List Price:	$7.00
Std Lead Time:	10 Business Days ARO

Alligator Clips – 4 mm Large – Red
- Insulated safety alligator clip (steel) in red

Item Number:	BU-65-2
List Price:	$10.00

- Compatible with all 4 mm leads across all Squidstat models
- Max current ±30 A
- Comes with Squidstat Venta WE cable

Alligator Clips – 4 mm Large – Black
- Insulated safety alligator clip (steel) in black
- Compatible with all 4 mm leads across all Squidstat models
- Max current ±30 A
- Comes with Squidstat Venta CE cable

Squidstat
Power Supplies & Connection Cables

Power Supply - Potentiostats
Power supply - cyclers
Power Source Cables
Connection Cables

AdmiralInstruments.com

Power Supply – Potentiostats Collection

Item Name & Description	Price USD & Lead Time

Squidstat Power Supply
- Squidstat Prime & Plus power supply
- Used for powering Squidstat Prime (PR-2-03) and Squidstat Plus (PL-21-M1, PL-22-M1, PL-23-M1, PL-24-M1 & PL-24X-M2)
- Input voltage: 100 - 240 VAC
- Input frequency: 47 - 63 Hz
- Input Current: 1.6 A max
- Output rating: +16.5 V, 1.5 A / - 16.5 V, 1.5 A / +3.3 V, 500 mA
- Made in USA

Item Number:	**PS-PT-56**
List Price:	**$450.00**
Std Lead Time:	**20 Business Days ARO**

Squidstat Power Supply Connection Cable
- Connects a Squidstat Prime or Plus potentiostat to a power supply (#PS-PT-56)
- Used for Squidstat Prime (PR-2-03) and Squidstat Plus (PL-21-M1, PL-22-M1, PL-23-M1, PL-24-M1 & PL-24X-M2)

Item Number:	**CS-DSSMDB9MM0-005**
List Price:	**$20.00**
Std Lead Time:	**10 Business Days ARO**

Power Supply – Cyclers Collection

Item Name & Description	Price USD & Lead Time

Squidstat Cycler BM – Power Supply – GlobTek Inc.
- Squidstat Cycler Base Model power supply
- Used for powering Squidstat Base Model Cycler (CY-1X-K5-BM & CY-1X-K10-BM)
- Supplier: GlobTek Inc. and Part #: TR9CZ9470LCPIMR6B

Item Number:	TR9CZ9470LCPIMR6B
List Price:	$90.00
Std Lead Time:	10 Business Days ARO

Squidstat Cycler – Power Supply – Mean Well BIC-2200-48
- Squidstat Cycler XChYVZA power supply
- Used for powering customized Squidstat Cyclers with a current range higher than ±5 A (CY-1X-K5-XChYVZA & CY-1X-K10-XChYVZA)
- Supplier: Mean Well and Part #: BIC-2200-48

Item Number:	BIC-2200-48
List Price:	$800.00
Std Lead Time:	30 Business Days ARO

Joiner Plate (2-slot)
- One metal plate that helps to connect 4 leads (M6) of a customized Squidstat Cycler to 1 terminal stud (M8)
- Used for parallel (up to 4 channels) and bipolar configurations

Item Number:	JP-2S
List Price:	$20.00
Std Lead Time:	10 Business Days ARO

Joiner Plate (3-slot)
- One metal plate that helps to connect 6 leads (M6) of a customized Squidstat Cycler to 1 terminal stud (M8)
- Used for parallel (up to 6 channels) and bipolar configurations

Item Number:	JP-3S
List Price:	$40.00
Std Lead Time:	10 Business Days ARO

Joiner Plate (4-slot)
- One metal plate that helps to connect 8 leads (M6) of a customized Squidstat Cycler to 1 terminal stud (M8)
- Used for parallel (up to 8 channels) and bipolar configurations

Item Number:	JP-4S
List Price:	$50.00
Std Lead Time:	10 Business Days ARO

Power Source Cables Collection

Item Name & Description	Price USD & Lead Time		
Power Source Cable – Type B • One type B power source cable • Delivers power to the potentiostat or power supply from a power source	**Item Number:** **List Price:** **Std Lead Time:**	**P-06B-EN** **$5.00** **10 Business Days ARO**	
Power Source Cable – Type F • One type F power source cable • Delivers power to the potentiostat or power supply from a wall outlet or other power source	**Item Number:** **List Price:** **Std Lead Time:**	**P-06B-G** **$5.00** **10 Business Days ARO**	
Power Source Cable – Type G • One type G power source cable • Delivers power to the potentiostat or power supply from a wall outlet or other power source	**Item Number:** **List Price:** **Std Lead Time:**	**P7UK-06** **$8.00** **10 Business Days ARO**	
Power Source Cable – Type I • One type I power source cable • Delivers power to the potentiostat or power supply from a wall outlet or other power source	**Item Number:** **List Price:** **Std Lead Time:**	**P-06B-C** **$8.00** **10 Business Days ARO**	
Power Source Cable – Type M • One type M power source cable Delivers power to the potentiostat or power supply from a wall outlet or other power source	**Item Number:** **List Price:** **Std Lead Time:**	**P-06B-SA** **$8.00** **10 Business Days ARO**	
Power Source Cable – Type N • One type N power source cable • Delivers power to the potentiostat or power supply from a wall outlet or other power source	**Item Number:** **List Price:** **Std Lead Time:**	**P-0412-06B** **$8.00** **10 Business Days ARO**	

Connection Cables

Item Name & Description	Price USD & Lead Time

USB Cable A to B

- One USB 2.0 Male A to Male B cable
- Connects a Squidstat to a computer, enabling efficient data transfer and control during electrochemical experiments

Item Number:	**UB12-06-BLK**
List Price:	**$5.00**
Std Lead Time:	**10 Business Days ARO**

Squidstat
Accesories

Electrodes

Testing Equipment

Electrodes Collection

Item Name & Description	Price USD & Lead Time	
Reference Electrode – Ag/AgCl – Refillable	Item Number:	**AdInst-EChem-Ref-R**
• Refillable Ag/AgCl reference electrode in 3 M KCl electrolyte	List Price:	**$95.00**
• Additional vial of 3 M KCl electrolyte solution provided	Std Lead Time:	**20 Business Days ARO**
• Dimensions: 82 mm length x 6 mm diameter		
• Glass body with gold plated pin		
• Single junction made of porous zirconia ceramic. Junction resistance: 10-15 kOhm		
• Manufactured by Ionode		

Reference Electrode – Calomel – Refillable	Item Number:	**Cal-Ref-01-K**
• Refillable Hg/Hg_2Cl_2 (calomel) reference electrode in 3 M KCl electrolyte	List Price:	**$250.00**
• Additional vial of 3 M KCl electrolyte solution provided	Std Lead Time:	**20 Business Days ARO**
• Dimensions: 110 mm length x 12 mm diameter		
• Glass body with connector type: 1 m cable terminating in 4 mm banana plug		
• Temperature Range: 0°C - 60°C		
• Manufactured by Ionode		

Electrode – Glassy Carbon – Disk (3mm)	Item Number:	**AdInst-EChem-WE-GC**
• PEEK (polyetheretherketone) body with gold plated connector pin	List Price:	**$195.00**
• Dimensions: 73 mm length x 6 mm OD, 3 mm GC disk diameter	Std Lead Time:	**20 Business Days ARO**
• Purity: 99.99%		
• Manufactured by Ionode		

Electrode – Platinum – Disk (3mm)	Item Number:	**AdInst-EChem-WE-Pt**
• PEEK (polyetheretherketone) body with gold plated connector pin	List Price:	**$195.00**
• Dimensions: 73 mm length x 6 mm OD, 3 mm Pt disk diameter	Std Lead Time:	**20 Business Days ARO**
• Purity: 99.99%		
• Manufactured by Ionode		

Electrode – Platinum – Auxiliary
- Glass body with gold plated connector pin
- Dimensions: 81 mm length x 6 mm diameter
- Pt area: 6 mm x 6 mm x 0.2 mm
- Manufactured by Ionode

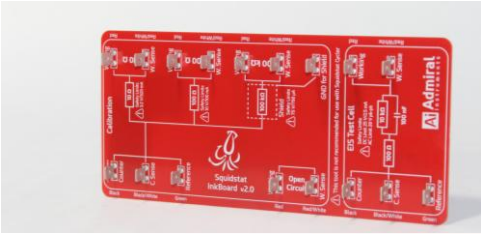|	
Item Number:	**AdInst-EChem-Aux-Pt**
List Price:	**$195.00**
Std Lead Time:	**20 Business Days ARO**

Electrode – Gold – Disk (3mm)
- PEEK (polyetheretherketone) body with gold plated connector pin
- Dimensions: 73 mm length x 6 mm OD, 3 mm Au disk diameter
- Purity: 99.99%
- Manufactured by Ionode

Item Number:	**AdInst-EChem-WE-Au**
List Price:	**$195.00**
Std Lead Time:	**20 Business Days ARO**

Testing Equipment Collection

Item Name & Description	Price USD & Lead Time

Multipurpose Battery Test Fixture
- Battery holder fits cylindrical/coin cells up to 75 mm x 35 mm
- Features 4-point Kelvin connections and spring-loaded contacts
- Rated up to 10 A and 85℃
- Made in USA

Item Number:	BF-20
List Price:	$95.00
Std Lead Time:	20 Business Days ARO

Multipurpose Battery Test Fixture 2L
- Battery holder fits cylindrical/coin cells up to 170 mm x 35 mm
- Features 4-point Kelvin connections and spring-loaded contacts
- Rated up to 20 A and 85℃
- Assembled in USA

Item Number:	BF-2L
List Price:	$290
Std Lead Time:	20 Business Days ARO

No Picture Available

Squidstat InkBoard with Grounding Strap
- Test and recalibration board with 3 resistor test circuits (10 Ω, 100 Ω, 100 kΩ) and 1 Randles circuit for EIS testing
- Each circuit has 5 connection terminals
- Do not use with Squidstats Cyclers
- Includes one Earth-Ground connection cable (#BU-P1166-36-0)
- Assembled in USA

Item Number:	IB-10-GS
List Price:	$100.00
Std Lead Time:	20 Business Days ARO

Squidstat InkBoard
- Test and recalibration board with 3 resistor test circuits (10 Ω, 100 Ω, 100 kΩ) and 1 Randles circuit for EIS testing
- Each circuit has 5 connection terminals
- Do not use with Squidstats Cyclers
- Assembled in USA

Item Number:	IB-10
List Price:	$90.00
Std Lead Time:	20 Business Days ARO

Squidstat Grounding Strap
- One 90-cm 4 mm banana plug to PVC-jacketed alligator clip cable
- Used for Earth-Ground connection
- Manufactured by Mueller

Item Number:	BU-P1166-36-0
List Price:	$10.00
Std Lead Time:	10 Business Days ARO

Squidstat
Software

Software Collection

Item Name & Description	Price USD & Lead Time	
Zahner Analysis License Key • One license key for Zahner Analysis software • The software enables comprehensive evaluation of electrochemical methods, including EIS, current-potential curves, Tafel slope analysis for corrosion rates, and solar cell performance metrics like maximum power and fill factor calculations	**Item Number:** **List Price:** **Std Lead Time:**	**ZR-AK-00** **$300.00** **5 Business Days ARO**
Squidstat User Interface • Squidstat software for running pre-built experiments, manual experiments and customized experiments • Data recovery feature compatible with Squidstat potentiostats • Compatible with Windows, MacOS, and Ubuntu • Supports Squidstats with serial numbers above 1100 • Version is subject to change	**Item Number:** **List Price:** **Std Lead Time:**	**SUI** **$0.00** **N/A**
Squidstat Application Programming Interface • Squidstat interface for running experiments in C++ or Python and automating the workflow • Compatible with Windows, MacOS, and Ubuntu • Version is subject to change	**Item Number:** **List Price:** **Std Lead Time:**	**API** **$0.00** **N/A**
Squidstat Support Utility • Squidstat software for updating firmware, performing voltage and current tare, re-uploading calibration data, performing a recalibration • Version is subject to change	**Item Number:** **List Price:** **Std Lead Time:**	**SSU** **$0.00** **N/A**

Squidstat
Added Services

Added Services Collection

Item Name & Description	Price USD & Lead Time	
3 Year Warranty • 1-year extended warranty on top of the 2-year standard warranty • Covers defects in materials and workmanship under normal use for 3 years from delivery • Admiral Instruments will repair or replace defective Squidstat potentiostats, cyclers, or parts at no charge • Cables, clips, and consumables (e.g., reference electrodes) are excluded	**Item Number:** **List Price:** **Std Lead Time:**	**EX-WA-1** **Contact us for pricing** **N/A**
NRTL Certification • NRTL certification through CSA Group field inspection, ensuring compliance with rigorous safety and performance standards for reliable, high-quality equipment in laboratory and industrial applications • Available option for all Squidstat potentiostats	**Item Number:** **List Price:** **Std Lead Time:**	**NT-CT** **Contact us for pricing** **20 Business Days ARO**