

580 Battery Test System

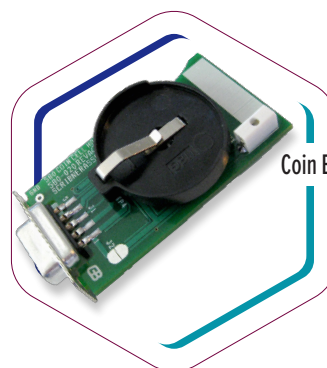
Our 580 Battery Test system
was designed to meet
the specific demands
of our customers



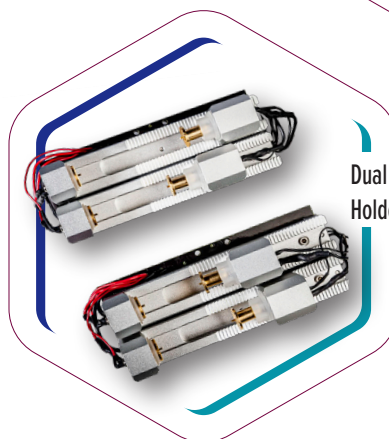
The 580 is used to test
single cell batteries as well
as super-capacitors.

The 580 features

- 6 current ranges - 1 A, 100 mA, 10 mA, 1 mA, 100 μ A, 10 μ A (Auto)
- 5 terminal measurement
- Control modes: current, voltage, power
- HFR for internal resistance
- 100 pts/sec sample rate
- BCycle® and BView® software – user-friendly, powerful, flexible



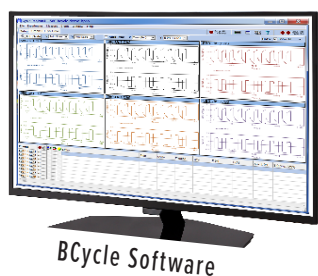
Coin Battery Holder



Dual Battery Holder



Cell Cables Available



BCycle Software



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SPECIFICATIONS: 580 Battery Test System

Voltage:

Set Voltage	- 2.000 V to +10.000 V
Compliance Voltage:	- 2.000 V to +10.000 V
Maximum Current	±1.000 A
Current Ranges	1 A, 100 mA, 10 mA, 1 mA, 100 µA, 10 µA (Auto)
Mode	Constant Current, Voltage or Power (charge, discharge)

Control Accuracy:

Voltage	< 0.1% of Positive Full Scale (at 25 °C)
Current	< 0.1% of Full Scale of Range (at 25 °C)

Measurement Accuracy:

Voltage	< 0.05% of Positive Full Scale (at 25 °C)
Current	< 0.1% of Full Scale of Range (at 25 °C)

Overload Tolerance:

[illegible]

585 Battery Test System

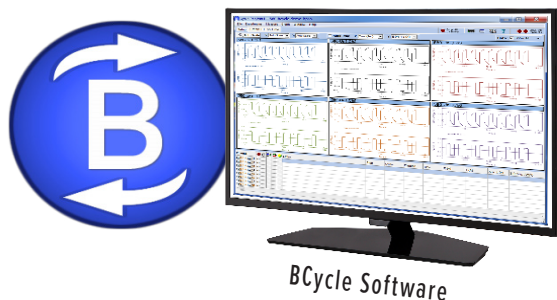
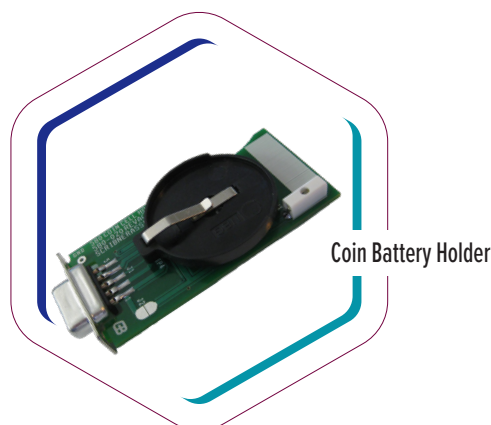
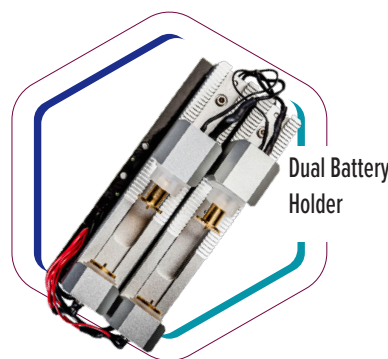
Our 585 Advanced 8 Channel Battery Cycler is an excellent choice for Battery testing and Supercapacitors



The 585 is suitable for small to medium sized cells.

The 585 features

- Each channel is an independent potentiostat/galvanostat
- 6 current ranges - 5 A, 500 mA, 50 mA, 5 mA, 500 μ A, 50 μ A (Auto)
- Gang Channels up to 20 A (2 channels)
- 5 or 6 terminal measurement
- Control modes: current, voltage, power
- HFR for internal resistance
- 100 pts/sec sample rate
- BCycle[®] and BView[®] software – user-friendly, powerful, flexible



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SPECIFICATIONS: 585 Battery Test System

Voltage:

Set Voltage	-4 V to +6 V
Compliance Voltage:	-4 V to +6 V
Maximum Current	±5 A (8 channels); ±10 A (4 channels); ±20 A (2 channels)
Current Ranges	5 A, 500 mA, 50 mA, 5 mA, 500 µA, 50 µA (Auto)
Mode	Constant Current, Voltage or Power (charge, discharge)

Control Accuracy:

Voltage	±0.1% of Positive Full Scale (at 25 °C)
Current	±0.2% of Full Scale of Range (at 25 °C)

Measurement Accuracy:

Voltage	±0.05% of Positive Full Scale (at 25 °C)
Current	±0.2% of Full Scale of Range (at 25 °C)

Overload Tolerance:

Current	110% of rating
Voltage	110% of rating
Connection	2, 3, 4, 5 or 6-wire (I+, I-, V+, V-, AUX+, AUX-)
Sampling Rate	Max. 100 Sample/s per channel (with one 585-unit per computer)
Impedance	2 frequency HFR; user-defined frequencies (1 Hz to 1 kHz)
Host Interference	USB, full-speed
Channels	8, independent, not electrically isolated from each other or USB interface
Dimensions	43 cm W x 22.5 cm H x 54 cm D (17 in. x 8.8 in. x 21.3 in.)
Weight	20 kg (42 lbs.)
Environment	5 to 35 ° C
Power	100-240 V, 50/60 Hz