

# 580 Battery Test System

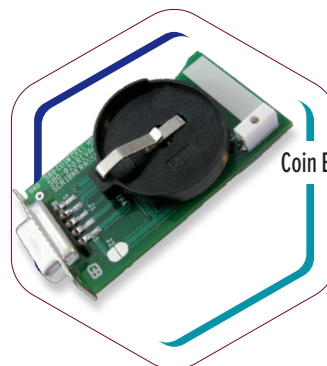
Our 580 Battery Test system was designed to meet the specific demands of our customers



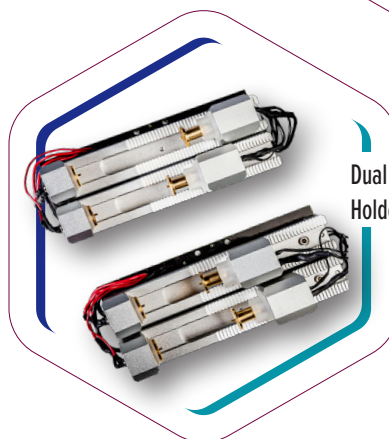
The 580 is used to test single cell batteries as well as super-capacitors.

## The 580 features

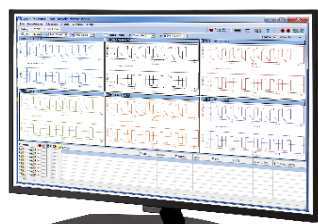
- 6 current ranges - 1 A, 100 mA, 10 mA, 1 mA, 100  $\mu$ A, 10  $\mu$ A (Auto)
- 5 terminal measurement
- Control modes: current, voltage, power
- HFR for internal resistance
- 100 pts/sec sample rate
- BCycle<sup>®</sup> and BView<sup>®</sup> software – user-friendly, powerful, flexible



Coin Battery Holder



Dual Battery Holder



BCycle Software



Cell Cables Available

[www.scribner.com](http://www.scribner.com)



## 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:

Current	110% of rating
Voltage	110% of rating
Connection	2, 3, 4 or 5-wire (I+, I-, V+, V-, AUX+)
Sampling Rate	Max. 100Sa/s per channel (with 1580-unit per computer)
Impedance	2 frequency HFR; user-defined frequencies
Host Interference	USB, full-speed, HID-compliant
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	9 kg (20 lbs.)
Environment	5 to 35 °C
Power	100-240 V, 50/60 Hz