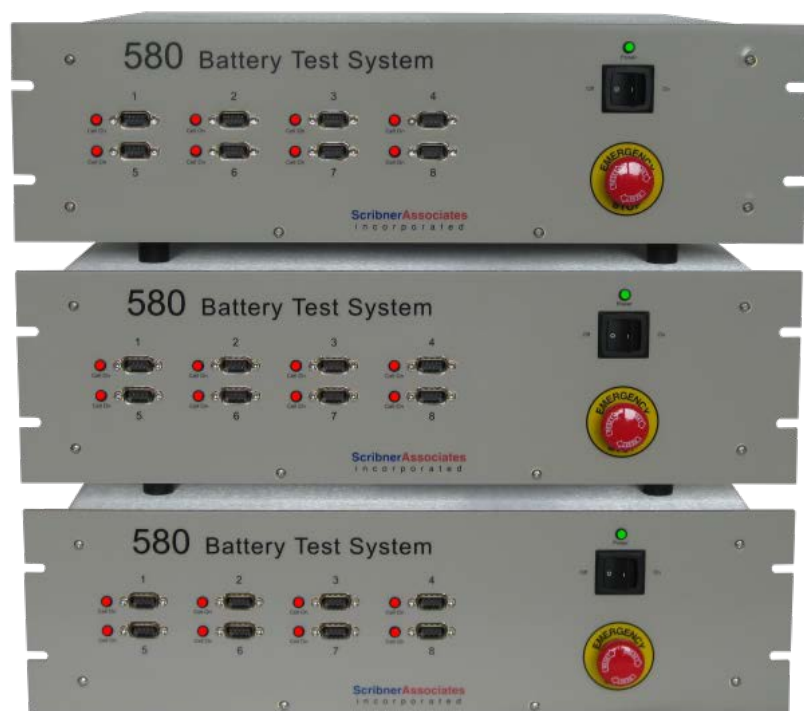


New! 580 BATTERY TEST SYSTEM

Advanced 8 Channel Battery Cycler

- ✓ Each channel is an independent potentiostat/galvanostat
- ✓ 6 current ranges from 10 μ A to 1 A
- ✓ 5 terminal measurement
- ✓ Control modes: current, voltage, power
- ✓ HFR for internal resistance
- ✓ 100 pts/sec sample rate
- ✓ *BCycle*TM software – user-friendly, powerful, flexible



APPLICATIONS:

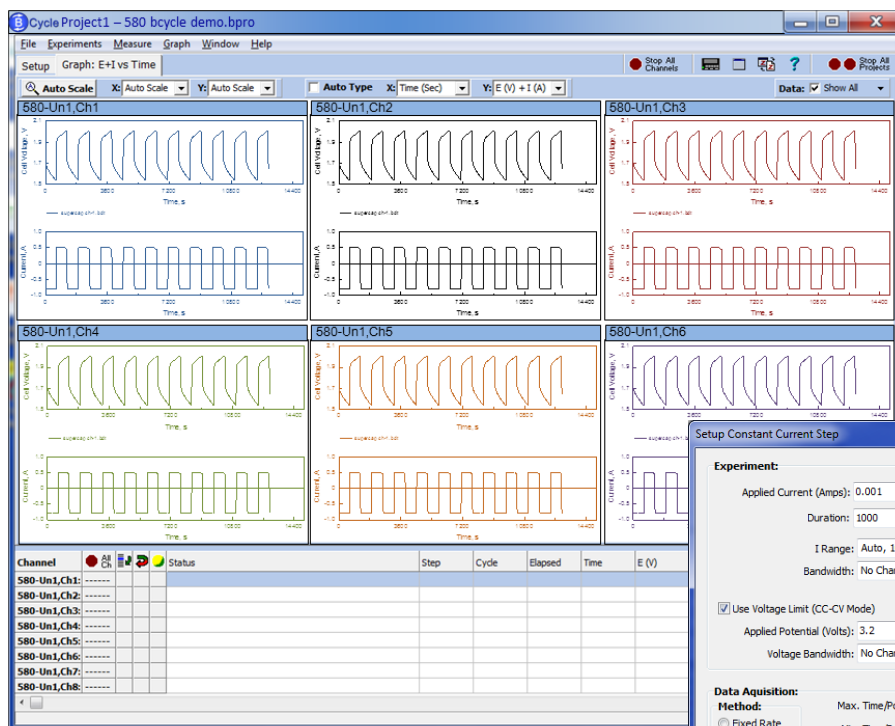
- Battery testing
- Supercapacitors

OPTIONS:

- Universal cell holder
- Standard or custom cell cables

SPECIFICATIONS:

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 1 580-unit per computer)
Impedance:	2 frequency HFR; user-defined frequencies
Host Interface:	USB, full-speed, HID-compliant
Channels:	8, independent, not electrically isolated from each other or USB interface
Dimensions:	43 cm W x 15 cm H x 54 cm D (17 in. x 6 in. x 21.3 in.)
Weight:	9 kg (20 lbs.)
Environment:	5-35 °C
Power:	100-240 V, 50/60 Hz



Setup Constant Current Step

Experiment:
Applied Current (Amps): 0.001 Absolute
Duration: 1000 Seconds
I Range: Auto, 10 uA Min
Bandwidth: No Change
 Use Voltage Limit (CC-CV Mode)
Applied Potential (Volts): 3.2 Absolute
Voltage Bandwidth: No Change

Data Acquisition:
Method: Fixed Rate Max. Time/Point (Sec): 1
 delta - E delta-E (Volts): 0.005
 delta - I delta-I (Amps): 0.001

Terminate this step if the following condition occurs:

Voltage
 E < V (Volts): 2.5
 E > V (Volts): 5
 Eref < V (Volts): 0
 Eref > V (Volts): 5
 dE/dt < dV (Volts): 0.002 dt (Sec): 10
 dE/dt > dV (Volts): 0.005 dt (Sec): 10
 dE_Ref/dt < dV (Volts): 0.002 dt (Sec): 10
 dE_Ref/dt > dV (Volts): 0.005 dt (Sec): 10

Current
 I < A (Amps): 0.0001
 I > A (Amps): 1
 dI/dt < dI (Amps): 0.002 dt (Sec): 10
 dI/dt > dI (Amps): 0.005 dt (Sec): 10

Power
 P < P (Watts): 0
 P > P (Watts): 5

Charge
 Q < Charge(Ah): 0
 Q > Charge(Ah): 5

Energy
 Wh < Energy(Wh): 0
 Wh > Energy(Wh): 2

Description:

OK Cancel Help