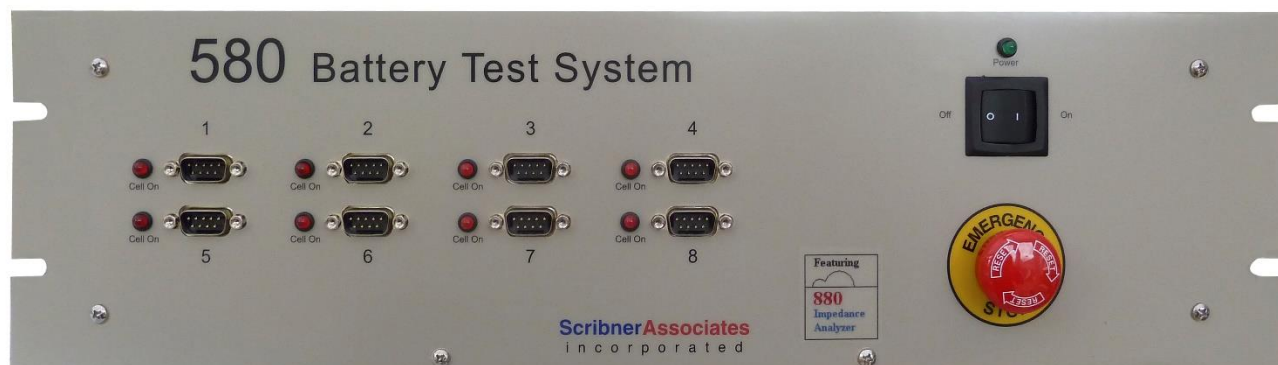


New!

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, resistance
- ✓ HFR for internal resistance
- ✓ 100 pts/sec sample rate
- ✓ *BCycle*TM software – user-friendly, powerful, flexible



APPLICATIONS:

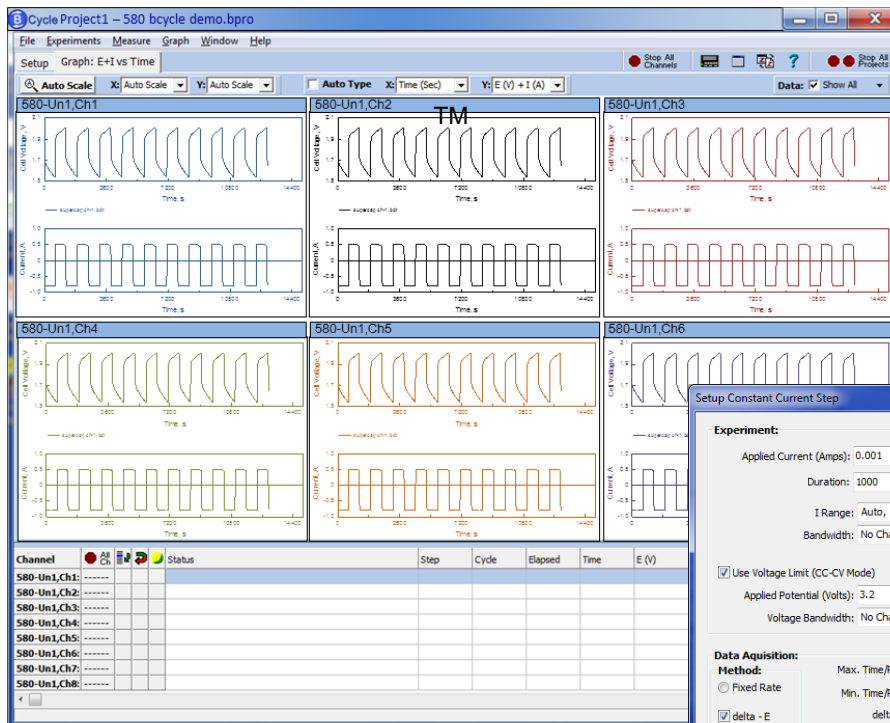
- Battery testing
- Supercapacitors

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), Constant Resistance (discharge only)
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 23 cm H x 54 cm D (17 in. x 8.8 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
 delta - E delta-E (Volts): 0.005
 delta - I delta-I (Amps): 0.001

Max. Time/Point (Sec): 1
Min. Time/Point (Sec): 1

Terminate this step if the following condition occurs:

<input type="checkbox"/> E <	V (Volts): 2.5
<input type="checkbox"/> E >	V (Volts): 5
<input type="checkbox"/> Eref <	V (Volts): 0
<input type="checkbox"/> Eref >	V (Volts): 5
<input type="checkbox"/> dE/dt <	dV (Volts): 0.002 dt (Sec): 10
<input type="checkbox"/> dE/dt >	dV (Volts): 0.005 dt (Sec): 10
<input type="checkbox"/> dE_Ref/dt <	dV (Volts): 0.002 dt (Sec): 10
<input type="checkbox"/> dE_Ref/dt >	dV (Volts): 0.005 dt (Sec): 10
<input checked="" type="checkbox"/> I <	A (Amps): 0.0001
<input type="checkbox"/> I >	A (Amps): 1
<input type="checkbox"/> dI/dt <	dI (Amps): 0.002 dt (Sec): 10
<input type="checkbox"/> dI/dt >	dI (Amps): 0.005 dt (Sec): 10
<input type="checkbox"/> P <	P (Watts): 0
<input type="checkbox"/> P >	P (Watts): 5
<input type="checkbox"/> Q <	Charge(Ah): 0
<input type="checkbox"/> Q >	Charge(Ah): 5
<input type="checkbox"/> Wh <	Energy(Wh): 0
<input type="checkbox"/> Wh >	Energy(Wh): 2

Description: