

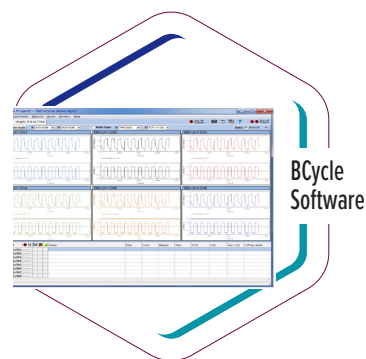
BCycle®

Dedicated control
and measurement
software for Scribner's
580 & 585 Battery Cyclers

BCycle® provides all of the necessary functions & features to program & perform battery and capacitor test routines. Create, edit and execute test procedures. Complex test procedures are easily implemented using flexible built-in experiments with multiple termination criteria.

BCycle® features

- Built-in experiments – OCV, CC, CC-CV, CV, CP, Repeat Loop, Run External Utility
- Multiple step types ranging from simple charge/discharge cycling to complex load profiles
- Control modes - constant current (CC), voltage (CV), or power (CP)
- Global max and min alarm V and I for safety
- Set limits of current, voltage, power or resistance that when met will automatically switch the control mode, e.g. CC to CV
- Up to 18 end conditions per step based on Vcell, Vref, I, P, Q, E, dV/dt, dVref/dt, dI/dt
- Data acquisition rate based on fixed time or rate of change dV/dt, dI/dt with min and max time between points
- Comment fields available for each step as well as the overall procedure
- View entire step parameters on one screen
- Insert, delete or change step order
- Cut, copy and paste experiment to save time
- Fixed or auto current range selection – global or step-specific
- For each channel, the status, step/cycle and live data are displayed
- Real-time graphs of user-selected channels and parameters



www.scribner.com

Data Examples: BView®

