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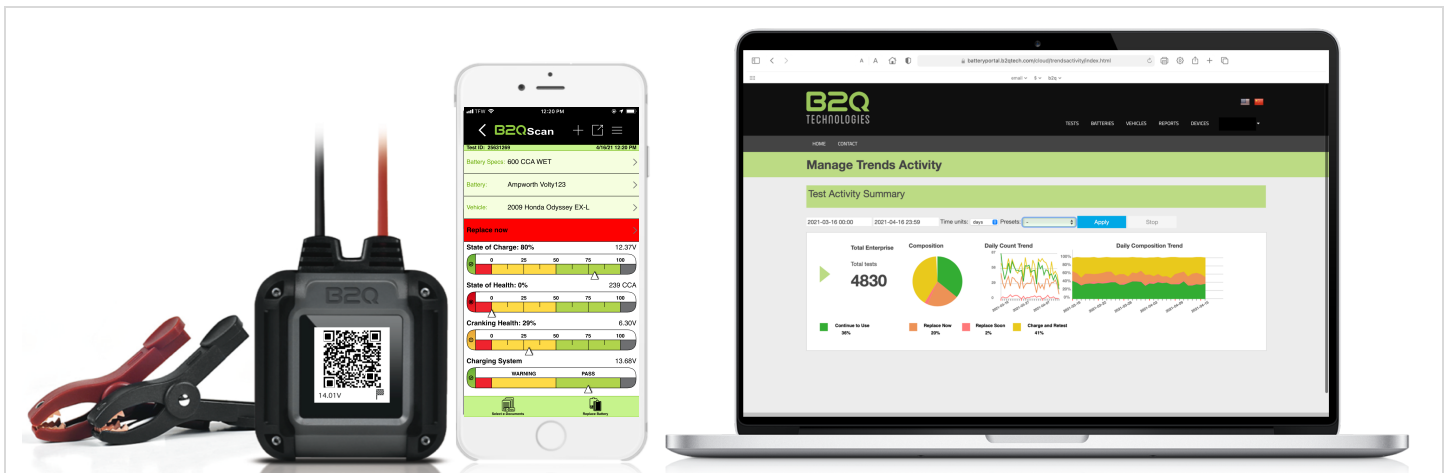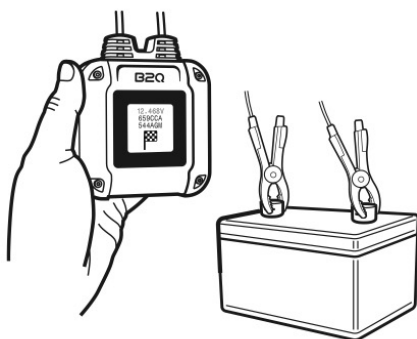
B1e + B2QScan + B2Q Digital Services Solution

Automotive parts and service providers need diagnostic solutions that provide clear actionable results quickly. The **B1e** tester uses **proven patented technologies** to accurately measure battery health and warn of potential electrical system problems. The companion **B2QScan** app and **B2Q Digital Services** enable you to instantly display, share and analyze test results on your mobile device and PC. Together, this solution makes battery testing and lifecycle management **accurate, affordable, reliable and fast!**

The B1e is small and rugged. Simply clamp it to a battery ...

... scan the QR test code with your mobile device running the free B2QScan app ...

... then display, share and analyze test results instantly!

B1e tester specifications	
Product description	Advanced digital lead-acid battery diagnostic tool
Model name / part number	B1e Tester / B1e 1.125" (2.85mm) square monochrome Eink Electrophoretic
Battery voltages supported	12V lead acid batteries
Battery types supported	Wet, Maintenance Free, AGM Spiral, AGM Flat, GEL, EFB constructions
Battery energy storage range supported	200 to 2000 CCA
Input voltage range	1VDC to 16VDC
Battery temperature compensation	Automatic
State of charge compensation	Automatic
Tester power supply and internal battery	Uses power from tested battery, uses internal 9V battery for testing discharged batteries <10V
Tester size and weight	3.15"(80mm) square x 1.4"(35.6mm) thick, 9oz.(255g)
Testing environmental requirements	Ambient temperature 15°F to 140°F, -10°C to 60°C, relative humidity 5% to 95% noncondensing
Tester clamps	Field replaceable, dual contact, dual conductor
Tester housing	Acid resistant ABS plastic with polycarbonate lens
Warranty	1 year on tester, 90 days on cables
In the box	B1e tester, quickstart guide
B1e and the environment	RoHS compliant
Safety standards	CE
B2QScan application specifications	
Mobile device hardware and operating system minimum requirements	An Apple iOS mobile device with rear facing autofocus camera with iOS v13 minimum. An Android mobile device with rear facing 6MP minimum autofocus camera and Android operating system v9 minimum.
B2QScan updates	Free updates from the Apple App Store and Google Play Store.
Raw test data transfer	Wirelessly via optical scan of B1e Tester QR test code
Final test result sharing	Wirelessly as email, html, select mobile bluetooth printers, network connected printers, text
Final test result storage	Limited by available device storage, can be synchronized with web storage
Plug-Ins	Advanced app functions that may be activated instantly via the Battery Portal for E-documents, BCI battery specifications, custom branding and more
Language Support	English, Russian, German, Chinese (Traditional), Chinese (Simplified), Italian, French, Spanish, Portuguese, Dutch
Battery and system diagnostics	
B1e battery test circuit measurements	Voltage (V), Internal resistance (mohm), Temperature (T)
Battery capacity norms supported	CCA, CA, MCA, EN, EN2, DIN
Battery charge diagnostics	State of charge (SoC%) Full/Medium/Low indication
Battery lifetime diagnostics	Battery lifetime State of Health (SoH%) Pass/Warning/Fail indication
Battery cranking diagnostics	Cranking health Pass/Warning/Fail indication Cranking voltage indication
Charging system diagnostics	Charging health Pass/Warning indication Charging voltage indication, Diode ripple frequency Pass/Warning
Battery recommendations (can be customized)	Continue to Use Charge and Continue to Use Charge and Retest Replace Soon Replace Now