



## IBEX-Ultra Portable Resistance Battery Tester

Model # IBEX-ULTRA



Eagle Eye's **IBEX-Ultra** battery testing kit is the premier kit in Eagle Eye's IBEX-Series portable battery tester line. The IBEX-Ultra is the fastest battery tester in the industry today, providing measurement results in just three seconds. The IBEX-Ultra has an internal storage of 4,800 measurement results and 80 alarm settings. The IBEX-Ultra accurately and quickly tests a battery's remaining service life while the system is online. Test Internal ohmic Resistance (R) or Conductance (Siemens), Connection Resistance, Jar Voltage (V), Temperature, DC Current and Ripple Current.

The IBEX is the smallest, fastest, most precise and easiest to operate battery tester in the market and it comes with the most

comprehensive battery management software available for trending batteries, creating reports, exporting to Excel and more. The handheld design is also the smallest in size and weight in the industry, with the fastest measurement speed. Easy-to-use menu options and a backlit LCD screen offer complete user-friendly functionality.

The IBEX-Ultra Battery Testing Kit includes Exmons Ultra comprehensive diagnostic software. Exmons Ultra software allows for data management, trending analysis, viewing graphs, creating reports and exporting to Microsoft Excel. Exmons allows the user to easily identify problematic cells and ensures the integrity of backup battery systems. Exmons Ultra is easy-to-use and offers customization to meet any company's report generating needs, and is equipped to handle the IBEX-Ultra's large storage capacity.

### The IBEX-Ultra Battery Testing Kit includes:

- IBEX-Ultra Body
- Li-Ion Battery Inside Body
- Soft Poly-Vinyl Bag
- Shunt (50mV/50A, 1mΩ, 1.0 Class)
- Spare 4-Pin Test Lead Tips
- Spare Li-ion Battery
- IR Printing Capability
- IR Thermal Printer
- Paper Rolls for IR Printer
- 220V AC Standard Charger for IR Printer
- 4-Pin Test Leads
- Clip Type Probe
- Temperature Probe
- USB Cable to upload to a PC
- DC Clamp Meter for Ripple Measurement
- Serial Comm Excel Software
- Exmons Ultra Diagnosis Software
- Standard Charger (100 to 240 VAC (Voltage Alternating Current))
- Hard Plastic Carrying Case
- IBEX-Ultra User Manual

Resistance and voltage testing is critical to determining the health of your batteries. Use the IBEX-Ultra portable battery tester for your resistance and voltage testing. Ohmic resistance represents the condition or state-of-health of the battery. It exposes weaknesses in cell and intercell connections without stressing the battery. Voltage testing determines state-of-charge in volts. Irregular voltages can indicate problems within the battery. Lack of maintenance is the single largest contributor of premature battery failure. The IBEX-Series battery testing kits are extremely effective in preventing battery failure and an essential component of any battery preventative maintenance program.

Ensure you are testing per IEEE (Institute of Electrical and Electronics Engineers) and NERC (North American Electric Reliability Corporation) standards. The IBEX-Ultra meets IEEE Standards for "Recommended Practice for Maintenance, Testing and Replacement for Stationary Applications." Eagle Eye Power Solutions also offers complete **IEEE/NERC Battery Testing Kits** that include an IBEX-Ultra portable battery tester, our SG-Ultra Max Digital Hydrometer and Exmons Ultra+ All-in-One Software.

Technical Specifications	Advantages	Applications
<b>Technical Specifications</b>		
<b>Battery Types:</b>	VLA, VLRA, Ni-Cad, & Others	
<b>Measurement Range:</b>	Battery Capacity: 5 – 6000 Ah Voltage: 0 – 60 VDC Impedance: 0.001 – 999.9 mΩ	
<b>Accuracy:</b>	DC Voltage: ±0.5% Internal Resistance: ±0.5%	

	Temperature: $\pm 2.0\%$
<b>Resolution:</b>	DC Voltage: 10 mV Internal Resistance: 0.001 m $\Omega$ Temperature: 0.5 $^{\circ}\text{C}$
<b>Test Speed:</b>	3 – 4 seconds per cell
<b>Test Load:</b>	Less than 2 A per cell
<b>Alarms:</b>	Voltage Over & Under Resistance Warning & Fail Temperature Over
<b>Calibration Method:</b>	Auto Calibration
<b>Data Transfer:</b>	<u>USB (Universal Serial Bus) Cable to PC (Personal Computer)</u>
<b>Display:</b>	Backlit LCD
<b>Internal Storage:</b>	4800 Test Results 80 Battery Models (for alarm settings)
<b>Operating Environment:</b>	-20 – 80 $^{\circ}\text{C}$ (-4 – 176 $^{\circ}\text{F}$ )
<b>Power Requirements:</b>	Li-ion Battery Pack (2200 mAh, 11.1V) 3 – 4 Hours of testing
<b>Dimensions:</b>	175 X 95 X 42 mm (6.8 x 3.7 x 1.6 in)
<b>Weight:</b>	0.65 kg (1.4 lbs)

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