



IBEX-1000 Portable Resistance Battery Tester

Model # IBEX-1000



Eagle Eye's **IBEX-1000** is an economical battery tester in the IBEX-Series portable battery testing line. The IBEX-1000 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), and Temperature in just three seconds. The IBEX-1000 is used in a wide-range of industries to ensure reliability of backup power systems, including utilities, telecoms, UPS and many more.

The IBEX-1000 Battery Testing Kit includes Exmons Pro comprehensive diagnostic software. (The similar **IBEX-1000EX** battery

testing kit offers Serial Comm Software only for Microsoft Excel importation.) Exmons Pro software allows for data management, trending analysis, viewing graphs, creating reports and exports data to Microsoft Excel. Exmons allows the user to easily identify problematic cells and ensure the integrity of backup battery systems. Exmons is easy-to-use and offers customization to meet any company's report generating needs.

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-1000 Battery Testing Kit includes:

- IBEX-1000 Body
- Li-Ion Battery Inside Body
- Soft Poly-Vinyl Bag
- 4-Pin Type Probe
- USB Cable to upload to a PC
- Serial Comm Excel Software
- Exmons Pro Diagnosis Software
- Standard Charger (100 to 240 VAC (Voltage Alternating Current))
- Hard Plastic Carrying Case
- IBEX-1000 User Manual

Ensure you are testing per IEEE standards. The IBEX-1000 meets IEEE (Institute of Electrical and Electronics Engineers) Standards for "Recommended Practice for Maintenance, Testing and Replacement for Stationary Applications."

Resistance and voltage testing is critical to determining the health of your batteries. Use the IBEX-1000 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 is extremely effective in preventing battery failure and is an essential component of any battery preventative maintenance program.

If your battery testing requires more accessories, features or memory, please see our other **IBEX-Series Portable Battery Testing Kits**. The IBEX-Series has multiple kits that are designed to fit any need or budget, while offering the same accuracy, functionality, and testing speed throughout.

Technical Specifications	Advantages	Applications
Technical Specifications		
Battery Types:	VLA, VLRA, Ni-Cad, & Others	
Measurement Range:	Battery Capacity: 5 – 6000 Ah Voltage: 0 – 60 VDC Impedance: 0.001 – 999.9 mΩ	
Accuracy:	DC Voltage: ±0.5% Internal Resistance: ±1.0% Temperature: ±2.0%	
Resolution:	DC Voltage: 10 mV Internal Resistance: 0.001 mΩ Temperature: 0.5 °C	
Test Speed:	3 – 4 seconds per cell	
Test Load:	Less than 2 A per cell	
Alarms:	Voltage Over & Under Resistance Warning & Fail Temperature Over	
Calibration Method:	Auto Calibration	
Data Transfer:	<u>USB (Universal Serial Bus) Cable to PC (Personal Computer)</u>	
Display:	Backlit LCD	

Internal Storage:	600 Test Results 4 Battery Models (for alarm settings)
Operating Environment:	-20 – 80 °C (-4 – 176 °F)
Power Requirements:	Li-ion Battery Pack (2200 mAh, 11.1V) 3 – 4 Hours of testing
Dimensions:	175 X 95 X 42 mm (6.8 x 3.7 x 1.6 in)
Weight:	0.65 kg (1.4 lbs)

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