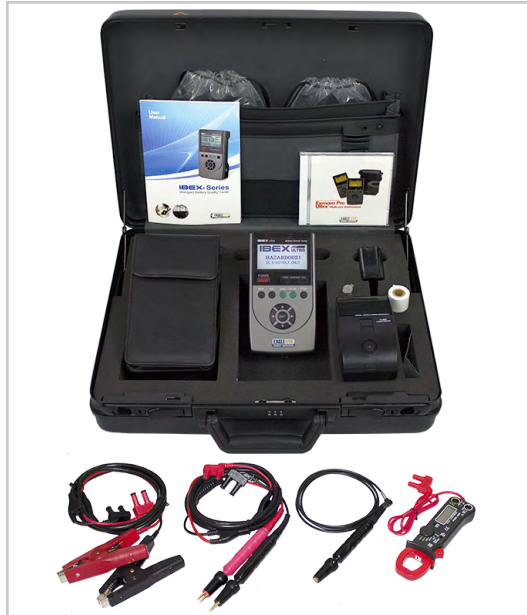**IBEX-SERIES**

Portable Battery Testers

IBEX-Series Portable Battery Testers

Model # IBEX-Series

IBEX-Ultra Kit

Product Description

The IBEX-Series Portable Battery Testers are the fastest, smallest and most accurate battery testers in the industry today. Ensure reliability of backup power systems and prevent unexpected failures with the IBEX-Series. Eagle Eye Power Solutions offers multiple IBEX kit options to meet any company's needs and budget. Test internal resistance (I.R.) or conductance, cell voltage, ripple current, temperature, and connection resistance to ensure you are testing per IEEE and NERC Recommendations.

The IBEX-Series is commonly used in the utility, telecommunications, UPS, transportation, and mission critical industries, and is the preferred battery tester by service groups worldwide. The IBEX injects a minimal test current into the tested batteries and precise & repeatable results appear in just 3 seconds. Battery Management Software is included with each IBEX-Series kit to easily identify bad cells, create reports, save data, and ensure the integrity of backup power systems.
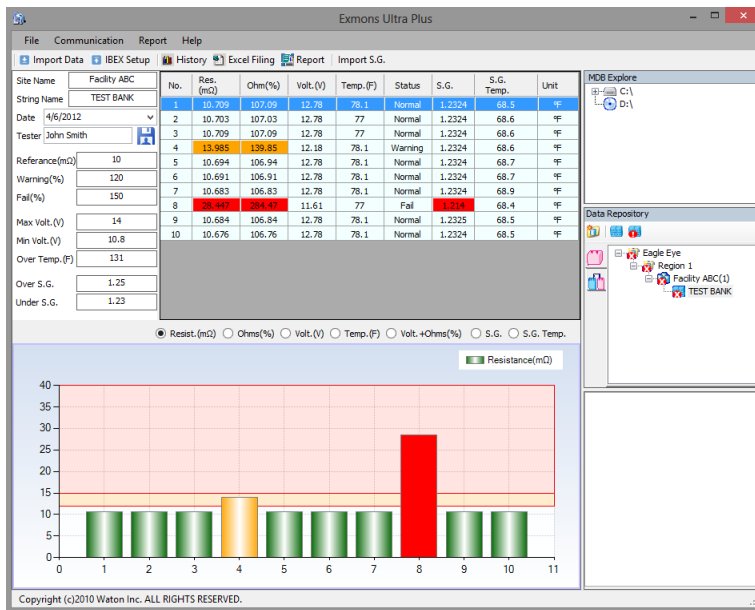
Product Advantages

- **IEEE Recommended:** Meets IEEE Std 1188-1996 and 2005 "Recommended Practice for Maintenance, Testing, and Replacement for Stationary Applications
- **Precise & Repeatable:** Utilizes a patented ripple-removing algorithm
- **Durable:** Simple design with no moving parts
- **Online Tester:** Test batteries while they are in service
- **Fast:** Automatically measures and stores data in just 3-4 seconds
- **Comprehensive Battery Diagnostic Software:** Available software provides an easy to use interface for data management, trending analysis, exporting to excel, viewing graphs and creating reports
- **Battery Bank Management:** Upload battery bank and alarm information to the IBEX from the included software
- **Charging ripple current analysis (%) with IBEX-Ultra**

IBEX-Ultra with 4-Pin Test Leads and CT Clamp Meter

Extender Rods

IBEX Kits Include

All IBEX Models: (Standard Kit)	IBEX Body, Soft-Poly-Vinyl Bag, 4-Pin Test Leads, Li-Ion Battery, USB Cable, Serial Comm Software, Standard Charger (100 to 240 VAC), Hard Plastic Carrying Case, User Manual
IBEX-Ultra :	Exmons Ultra Software, Clip Test Leads, Temperature Probe, 0.5mΩ Shunt, Spare 4-Pin Test Lead Tips, IR Printer with Charger, Spare Paper Roll, DC Clamp Meter
IBEX-Pro:	Exmons Pro Software, Clip Test Leads, Temperature Probe, 0.5mΩ Shunt, Spare 4-Pin Test Lead Tips, IR Printer with Charger, Spare Paper Roll
IBEX-1000:	Exmons Pro Battery Management Software
IBEX-1000EX:	Standard Kit
Optional:	Modular Extender Rods with LED light (91 cm, 3 ft) for testing UPS cabinets

Exmons Battery Management Software

Exmons Battery Management Software
- Import test data from the IBEX and Digital Hydrometers
- Organize test data into structured groups including the test site, battery bank, and test date
- Analyze trends in battery health by trending battery systems over time
- Easily identify problematic cells through colored graphs and cells
- Generate Reports or export directly to Microsoft Excel
- Available in three versions to best fit your needs - uploading specific gravity possible with the complete IEEE/NERC Kit

Technical Specifications	
Battery Types:	VLA, VLRA, Ni-Cad, & Others
Parameters Measured:	Internal Ohmic Resistance, Inter-Cell Resistance, Voltage, Temperature, DC Current (Ultra), DC Ripple Current (Ultra)
Measurement Range:	Battery Capacity: 5 – 6000 Ah Voltage: 0 – 60 VDC Ohmic Range: 0.001 – 999.9mΩ
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 (0.5 °F)
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:	USB Cable to PC
Display:	Backlit LCD
Internal Storage:	**IBEX-Ultra:** 4800 Results **IBEX-Pro, 1000, 1000EX:** 600 Results
Alarms:	**IBEX-Ultra:** 80 Alarms **IBEX-Pro, 1000, 1000EX:** 4 Alarms
Operating Environment:	-20 – 80 °C (-4 – 176 °F)
Power Requirements:	Li-ion Battery Pack (2200 mAh, 11.1V) 3 – 4 Hours of testing
Dimensions / Weight:	175 x 95 x 42 mm (6.8 x 3.7 x 1.6 in) / 0.65 kg (1.4 lbs)

Applications
- Utilities
- UPS
- Service Groups
- Oil, Gas, Fuel
- Green Energy
- Nuclear Power
- Municipalities
- Mining
- Hospitals
- Motive Power
- Telecommunication
- Transportation
- Mission Critical Facilities
- Industrial Manufacturing
- Battery Manufacturers and Suppliers

Complete IEEE/NERC-Kit
- IBEX Ultra Battery Tester
- SG-Ultra Max Digital Hydrometer
- Exmons Ultra Plus All-in-One Software

Ordering Information

No.	Model #	Description
1	IBEX-Ultra	ULTRA Intelligent Battery Examiner Kit with Exmons Ultra Software
2	IBEX-Pro	PRO Intelligent Battery Examiner Kit with Exmons Pro Software
3	IBEX-1000	1000 Intelligent Battery Examiner Kit with Exmons Pro Software
4	IBEX-1000EX	Economy Intelligent Battery Examiner Kit with Serial Comm Software