BATTERY QUALITY ANALYZER
MODEL KM 900 SERIES

SUITABLE For Lead Storage Cells (Lead-Acid batteries), nickel-cadmium batteries, lithium-ion batteries and nickel-metal hydride batteries.

Single, Quick Testing
Total Battery Quality Analysis Solution

Super Tool for UPS Battery field Management

Battery Health Analysis
Testing at System Loading condition

Impedance, Voltage, Temperature, Current and Capacity measurements (simultaneously or independently)

User Friendly Software





OPTIONAL

Bluetooth

WIFI


Lead Acid battery


Nickel-cadmium batteries


lithium-ion batteries



nickel-metal hydride batteries

High Performance Battery Quality Analyzer Data Logger with Trend Analysis

Abundant Data Logging and Accurate Trend Analysis is available backed by Internal SD Card to store up to 7.5 million data in Text or Graphic mode

- The Battery Quality Analyzer is designed for measuring the internal resistance, open-circuit voltage, and terminal temperature of secondary batteries, including Lead Storage Cells (Lead-Acid batteries), nickel-cadmium batteries, lithium-ion batteries and nickel-metal hydride batteries.
- AC four-terminal method to measure the internal resistance by eliminating lead resistance and contact resistance to get the accurate results.
- Multiple display to show the internal resistance, voltage and temperature or voltage, current and temperature of the battery simultaneously.
- It has 99 sets of composite comparator function, which can be set at resistance and voltage values (Limit) to get the reliable detection of battery deterioration. LCD displays PASS, WARNING, FAIL RESULTS.
- Pin type lead, which can easily contact the battery electrodes supplied as standard to get more accurate 4-terminal measurement.
- Clamp adaptor for DC current or AC current measurements CA 500.
- Data from measurements may transfer to computer through USB cable. The measurement data to computer can be saved or edited to analyze or manage of the battery health (deterioration) at computer.

APPLICATIONS :

Field Management of **UPS Back Up Batteries** in Industrial Systems-Telecom. Renewable Energy Power Plant (Solar, Water, Wind), Recreational, Marine, Airplane, Military, Electric Vehicle and Battery Related Industry (Manufacturer, Dealer) of most Batteries including Lead Storage Cells (Lead-Acid Batteries), nickel-cadmium batteries, lithium-ion batteries and nickel-metal hydride batteries.

BATTERY QUALITY ANALYSER / TESTER

KM 900 series model selection		KM 900 (basic)	KM 900C
Impedance Measurement	4mΩ / 40mΩ / 400mΩ / 4Ω	✓	✓
	Battery range	100V / 1200Ah	100V / 6000Ah
Voltage measurement	4 / 40 / 300V DC	✓	✓
DC Current (Float Current) measurement with external CT	40A / 400A	✓	✓
AC Current(Ripple Current) measurement with external CT	40A / 400A		✓
Temperature	-10°C~100°C 14°F~212°F	✓	✓
Capacity measurement	% SOC, Efficiency, Ah, Wh		✓
Analyzer		✓	✓
Interface (USB 2.0) Standard		✓	✓
Interface (Bluetooth / Wifi)		Optional	Optional
Powerful Management Program		✓	✓
Safety	CAT II 300V	✓	✓

- **SAFETY : "CE"** Certified EMS. LVD 61010-1 CAT II 300V DC

ELECTRICAL SPECIFICATIONS :

- **Impedance Measurement**

  Range : 4mΩ ~ 4Ω (4 range) / 1uΩ resolution

  Accuracy : ±0.8%rdg ±10dgts

  Battery range : max 100V, 1200Ah (model KM 900 basic)

  max 100V, 6000Ah (model KM 900 C)

- **Voltage Measurement :** Differential Input

  Range : 4V, 40V, 300V (3 range)

  Accuracy : ±0.5%rdg ±5dgts

- **DC Current(Float Current) Measurement CT**

  Range : 40A / 400A

  Accuracy : ±1%rdg ±5dgts (CT Accuracy added)

- **Temperature**

  Range : -10°C ~ 100°C / 14°F ~ 212°F

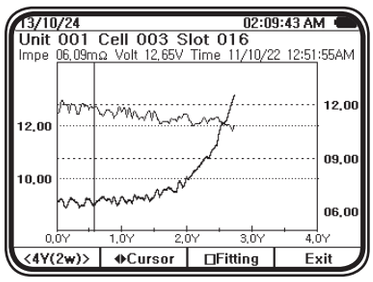
  Accuracy : ±2°C ±3.6°F

  Battery Temperature Measurement : Internal Sensor.

  Guaranteed Accuracy : 23°C +/-5°C, non-condensing

- **Capacity Mesurement :** % SOC, Efficiency, Ah, Wh

  (KM 900C only)



Curve Trend Analysis

GENERAL SPECIFICATIONS :

- **Display :** 4" Graphic Monochrome LCD Module (320*240)
- **Input Method :** Differential (Impedance, DC Voltage)
- **Maximum Voltage Input :** 300V DC
- **Interface :** USB 2.0 (Standard), Bluetooth (Option) Wi-Fi (Option)
- **Operating Temperature :** 0 ~ 40°C, 80% RH or Less
- **Continuous Operating Time :** 6 hours
- **Power Supply :** 7.2V, 2.7A NiMH Battery Pack (2)
- **Line Power :** 12V, 1A Adapter
- **Auto Power OFF :** User Select at User mode
- **Dimensions :** Approx.107(W) x 220(H) x 55(D)mm
- **Weight (Main Unit only) :** Approx. 1.2kg

ACCESSORIES :

4 Terminal Battery Test Lead set (Pin type), Ni-MH Rechargeable Battery Pack (installed), USB PC Interface Package (Program and User Manual in CD. USB Cable), Hardcopy User Manual, Ohm Adjustment Bar, AC / DC Power Adapter and Internal Charger, Carrying Bag with Shoulder Strip & Current Clamp Adapter CA500.

OPTIONAL ACCESSORIES :

4 Terminal Battery Test Lead (Clamp type),



4 terminal Battery Test Lead
(Pin type - Pin replaceable)



4 terminal Battery Test Lead
(Clamp type)



Delivery Package