KUSAM-MECO®
An ISO 9001:2015 Company

BATTERY QUALITY ANALYZER
MODEL KM 900(BASIC)

THINK SAFETY
THINK KUSAM-MECO®

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
(simultaneously or independently)



User Friendly Software

Alternative Graphing Power

All Specifications are subject to change without prior notice.



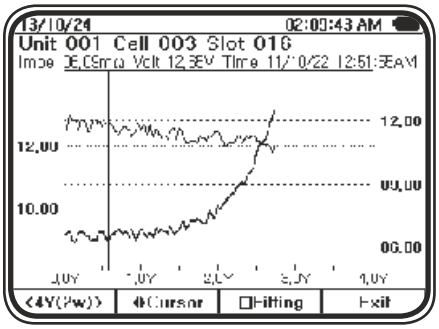
High Performance Battery Quality Analyzer Data Logger with Trend Analysis

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

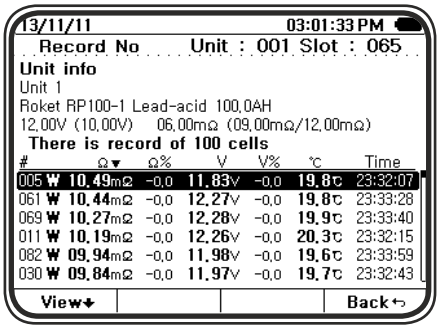
- The Battery Quality Analyzer is designed for measuring the internal resistance, open-circuit voltage, and terminal temperature of secondary batteries, including Lead Storage Cells (Lead -Acid batteries), nickel-cadmium batteries, lithium-ion batteries and nickel-metal hydride batteries.
- AC four-terminal 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 to get the reliable detection of battery deterioration.
- 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

Comparator settings :
Impedance / voltage High / Low limits.

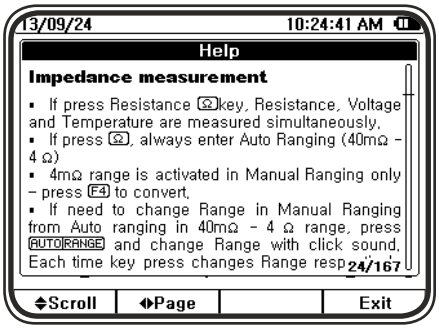
Comparator output :
LCD display of PASS, WARNING, or FAIL results and beeper for warning and fail results.



Curve Trend Analysis



Distoration Order Table



Help

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.

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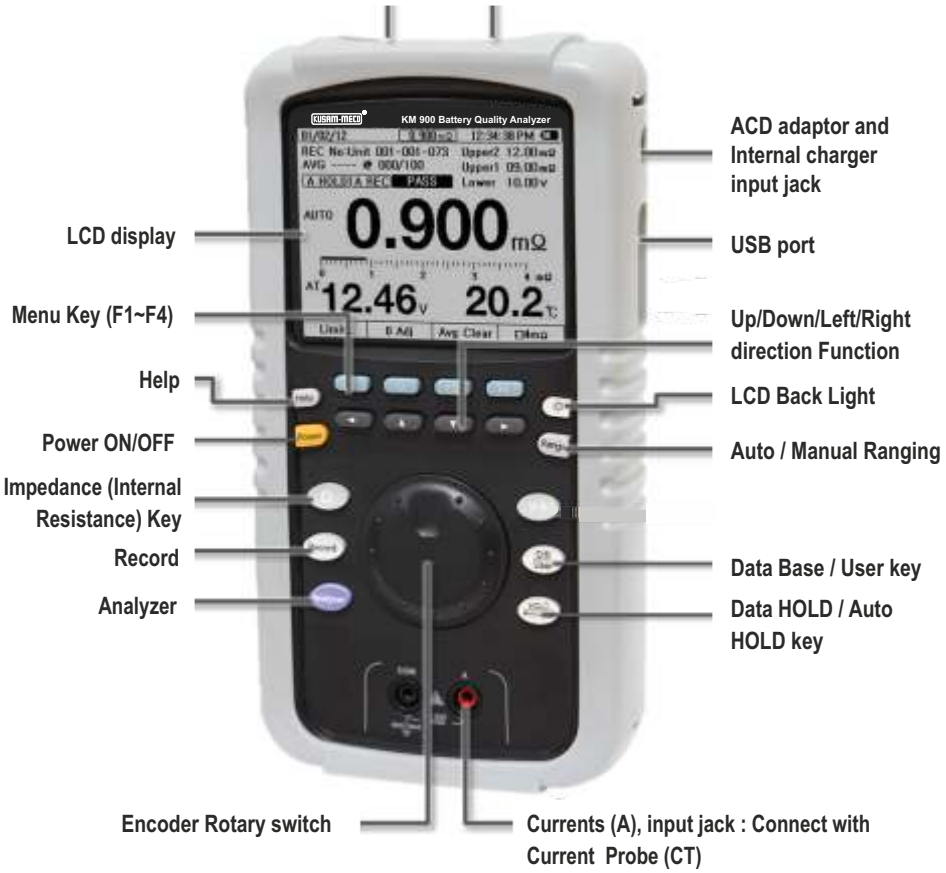
Measurement - Analysis

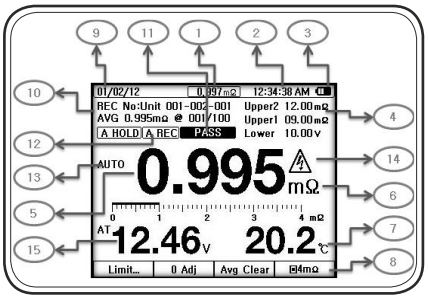
Unsurpassed Performance in a portable, Compact package



Battery Health Analysis Information.
Comparator on Impedance, Voltage Auto Hold and Data Storage
Interface : USB Host / Client 2.0 Large 4“ 320 x 240 pixel High Resolution Monochrome LCD display.

Super Tool in Field Measurements and Management of UPS batteries



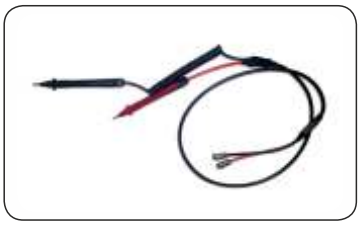


LCD Display :

1) Present Measurement Value when Auto Hold mode
2) Measurement Data and Time
3) Battery / Adapter Sign
4) Limit : Upper, Lower
5) Impedance Value Display
6) Unit of Measurement
7) Temperature Value Display
8) 4m Ω Convert key
9) “Unit-Cell-Times”display
10) Measurement Averange and number of Averaged data (displayed with Auto Hold)
11) Limit (Comparator) Pass - Warning-Fail
12) Auto Saving : When Auto Holding, Auto Saving is automatically activated. Saved at Auto Record Memory in order, max 300 cells x 100 times measurement Record number : storage date Recording Number.
13) Auto : Auto, manual ranging
14) Warning Sign
15) DC Voltage measurement

All Specifications are subject to change without prior notice.

Impedance Measurement	4mW/ 40mW/ 400mW/ 4W	✓
	Battery range	100V / 1200Ah
Voltage measurement	Range (300V DC)	✓
DC Current (Float Current) measurement with external CT	40A / 400A	✓
Temperature	-10°C~100°C 14°F~212°F	✓
Analyzer		✓
Interface (USB 2.0) Standard		✓
Powerful Management Program		✓
Safety	CAT II 300V	✓



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



Delivery Package

ELECTRICAL SPECIFICATIONS :

- Impedance Measurement

  Range : 4mW ~ 4W (4 range)/1uW resolution

  Accuracy : ±0.8%rdg ±10dgts

  Battery range : max 100V, 1200Ah

- Voltage Measurement : Differential Input

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

  Accuracy : ±0.5%rdg ±5dgts

- DC Current(Float Current) Measurement CT

  Range : 40A / 400A

  Basic Accuracy : ±1%rdg ±5dgts

- 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

- Safety : CE Certified EMS. LVD 61010-1 CAT II 300V DC

GENERAL SPECIFICATIONS :

- Display : 4" Graphic Monochrome LCD Module (320*240)
- Input Method : Differential (Impedance, DC Voltage)
- Auto Power OFF : User Select at User mode
- Maxim Voltage Input : 300V DC
- Interface : USB 2.0 (Standard),
- 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
- Dimensions : 107m (W) x 220mm (H) x 55mm(D)
  4.2"x 8.3"x 2.2"
- Weight (Main Unit only) : 1.2kg / 2.6 lbs

ACCESSORIES :

4 Terminal Battery Test Lead set (Pin type),
Ni-MH Rechargeable Battery Pack (installed),
CA 500 Current Clamp Adaptor,
USB PC Interface Package (Program and User Manual in CD. USB Cable), Hardcopy User Manual, Ohm Adjustment Bar, ADC Power Adapter and Internal Charger, Carrying Bag with Shoulder Strip

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