BA-01 Battery Analyzer

KPM BA-01 Battery Analyzer is a very effective and economical battery management device for testing battery internal resistance (or conductance) and voltage. It helps you eliminate weak batteries to ensure performance of your battery systems.

It is capable for accurate measurement of Valve Regulated Lead Acid (VRLA), Vented Lead Acid (VLA) batteries and Ni-cd batteries which are the main composition of standby critical power systems. This battery tester is widely applied for service providers, operations and maintenance teams for battery management and measurement to ensure power integrity in telecom networks, data center, power utility, forklift maintenance and so on.

Unique Advantages:

♦ Two units in one, smart switch to measure both internal resistance and conductance of batteries.

♦ Wide test range up to 6000Ah for Lead-Acid or Nickel-Cadmium single battery which is up to 16V

♦ Field proven accurate and repeatable measurement to identify battery health.

♦ Very fast and consistent measurement of battery or multiple batteries (with setting once) in seconds

♦ It adopts advanced measurement way of AC signal discharge to test internal resistance or conductance

♦ User friendly TFT touch screen and key pad as alternative operation

♦ Big memory for measurement data storage of more than 100,000 cells

♦ Universal micro USB for data exportation and also tester charge

♦ Functional PC battery management software for recording of full battery info and easy report print out.

♦ Battery pack is durable in the field with testing time of 8-12 hours

Application Compatibility:

o Telecom & communication power

o Uninterrupted Power Supplies (UPS)

o Utility transmission and distribution systems Data, healthcare, education or financial

o Forklift battery maintenance

o Refinery, mining and offshore platform

Hardware Features

Quick plug-in connector for testing clamp or pin probe on top of the main unit

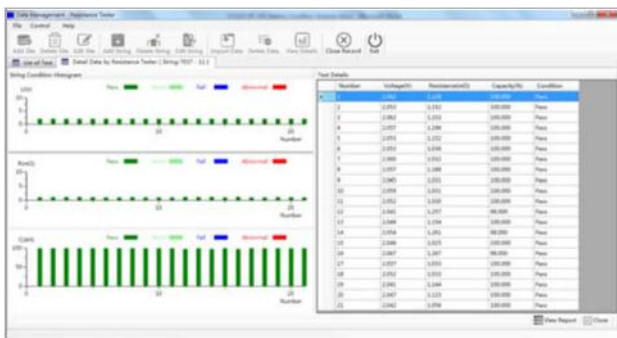Universal micro USB for firmware update, data exportation and internal battery charging.

Pin Probe for quick test of batteries with contact surface as small as 3mm and 1.3mm (2 points) of battery posts.

The pin probe is composed of 2 sections which make it extendable to longer length for easy measurement of different battery wiring structures.
Section 1 length is 23cm. With extension, length is 39cm.

Software Features

Data View software provide smart solutions for data analysis, battery condition tracking and report printing. This is software is also expandable for battery management along with KPM's other battery test equipment

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Technical Specification

Model Numbers:

BA-01P (Base Kit with pin probe)

BA-01T (Base Kit with testing clamp)

BA-01C (Complete Kit with both pin probe and testing

clamp)

Applications:

Test single Lead-Acid or Nickel-Cadmium cell or battery

string (one by one after setting once).

Cell types supported: 1.2V, 2V, 6V, 12V and other

customized types up to 6000Ah.

Voltage:

0.000V—25V DC

Resistance:

0.001 mΩ--100mΩ

Conductance:

100 - 19,990 Siemens

Test Data Storage:

100,000 cells stored internally, unlimited with USB drive

exportation

Accuracy:

Resistance/Conductance: 1%

Voltage: 0.15%

Voltmeter Resolution:

1mV

User Programmable Functions:

• Customized battery types

• Low voltage alarm setting

• High resistance alarm setting

• Test mode (push button/touch screen/auto start)

Cable Options:

• 2-section Pin probe

• Alligator Test Clamp

• Custom cables by quotation

Power supply:

• Li-ion battery (4000mAh), 8~12hours working time after

full charge

Display:

272*480 pixel, 4.3"TFT Touch Screen LCD

Data Transfer:

USB via micro USB cable

Operation Environment:

0~40℃, 90% relative humidity, non-condensing

Storage Temperature:

-20~50℃

Over Voltage Protection:

• Auto-reset disconnect

• Reverse polarity protected

Housing Material:

Acid resistant ABS plastic

Tester Dimensions:

L186*W98*H40 mm

Analyzer Weight:

0.45KG

Shipping Weight:

Approximately 3.5Kg

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