

LITHIUM / LEAD-ACIDE BATTERY INTERNAL IMPEDANCE AND VOLTAGE METER



HRM10



Introduction :

The HRM10 effectively measures the condition of rechargeable batteries by measuring their impedance up to 200 ohms and their voltage up to 100Vdc, in order to determine whether they are functioning correctly and their quality levels. The user can set the Fail/Pass validation thresholds themselves by preselecting up to 8 sets of voltage/impedance values in the device's configuration settings. Different types of batteries can be tested: lithium, lead, carbon-zinc, alkaline, NiMH. The measurements are automatically saved in the device and can be exported to an Excel file on a computer via a USB cable for later analysis. A Hold button allows the last measurement displayed on the screen to be held, the device can be set to switch off automatically, and an indicator light shows the status of the tester's battery. The device is equipped with a high-brightness 3.5-inch TFT colour screen and simultaneously displays the voltage and impedance of the battery being tested. Thanks to the use of a 'Kelvin 4-wire' cable with gold-plated clamps, contact resistance is minimised to provide an accurate measurement of the condition of the batteries. This device is the ideal tool for checking the proper functioning and ageing condition of your batteries, whether for a mobile phone, solar installation, remote control or car.

Hardware & Electricial specifications :

Display : TFT HD color 3,5 inches.

Tests : lithium battery, lead-acid battery, carbon-zinc battery, alkaline battery, NiMH battery.

Voltage range (DC): auto / 1V / 10V / 100V.

Résistance range : auto / 20 mohms / 200 mohms / 2 ohms / 20 ohms / 200 ohms.

Accuracy : +/- 0,5%.

Frequency test : 1 KHz, (+/-30Hz).

Functions : Hold, auto shutdown, low power.

Battery : 3,7 V / 1000 mAh lithium.

Operation temperature : -10°C to +45°C (RH < 80%).

Storage temperature : -20°C to +80°C (RH < 80%).

Dimensions : 159 x 80 x 29 mm.

Weight : 225g.



Items includes :

Digital tester.

USB-C charging cable.

Kelvin clip cable.

User Manual.

Lithium battery 3,7V / 1000 mAh included.

Storage bag.