

HF-BT-410

Battery Health Tester



Battery Health Tester rapidly measures battery internal resistance and voltage. It accurately assesses the health status of lead-acid batteries, helping staff identify defective cells efficiently for routine maintenance in power stations, UPS and communication sites.

Key features

- Multiple measurement modes: internal resistance measurement and performance evaluation for single cells, battery groups, and battery connection resistance (optional).
- On-line testing support: performs on-line or off-line measurement without removing or disconnecting busbars, featuring strong anti-interference performance.
- Compact lightweight design: weighs less than 0.45 kg, handheld design for single-person operation with fully automatic measurement.
- Dual operation: 5-inch touch screen or physical keypad. Convenient parameter configuration and data analysis. Keypad operation is user-friendly for users wearing insulating gloves.
- Simple operation: intelligent digital design with full Chinese menu. It will not affect battery operating status and poses no safety risks.

Technical specifications

Parameter	Value
Voltage Measurement Range	1V ~ 25V
Internal Resistance Measurement Range	0.01mohm ~ 120mohm
Voltage Accuracy	±0.2%rdg ±6dgt
Internal Resistance Accuracy	±2.0%rdg ±6dgt
Voltage Resolution	1mV
Resistance Resolution	0.01mohm
Connection Resistance Range	0.00mohm~65.00mohm
Display	272×480 5-inch TFT LCD with touch screen
Overall Dimension	186mm×98mm×40mm
Weight	0.45KG
Internal Memory	Stores data for up to 100,000 cells
External Storage	4G USB Flash Disk, USB2.0
Built-in Power	4000mAh rechargeable Li-ion battery, 8~12 working hours after full charge
External Power Supply	AC100~240V / DC5V-1A adapter/charger
Communication Port	USB interface (supports USB flash drive)
Operation Mode	Keypad, touch screen and handwriting input
Startup Time	2~5s output startup time
Safety Standard	Complies with EN610950
Test Clips	Integrated 4-terminal test clips and probes, compatible with more than 98% battery connections

Compliance and documents

Applicable standards	[TO BE CONFIRMED] standard applied to this model
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Calibration certificate	[TO BE CONFIRMED]
Optional accessories	[TO BE CONFIRMED]

Warranty and support

12-month warranty on every exported instrument. English operation manual and remote video guidance at commissioning. T/T, L/C at sight and deposit terms for bulk orders; sea, air or rail shipping.