

# 3554 BATTERY HITESTER

Field Measuring Instruments



## Accurately Test the Integrity of the Lifeline of Mobile Technology

- Re-designed circuit for super resistance to noise
- Store up to 4800 sets of battery data in internal memory and manage records on your PC
- Auto-hold and Auto-store functions make measurement and recording simple and hands-free
- Strengthened (and user-exchangeable) probe tip means less chance of breakage and a more constant workflow



## The New Standard for Assessing Deterioration of Lead-acid Batteries

### To Our Valued Customers:

The thresholds for determining the pass/fail condition of a battery depends on the specifications and standards of the battery manufacturer, battery type, capacity, etc. It is important and necessary to always conduct battery testing against the internal resistance and terminal voltage of a new or reference battery. In some cases, it may be difficult to determine the deterioration state of sealed lead acid batteries which demonstrates smaller changes in internal resistance than traditional open type (liquid) or alkaline lead acid batteries.

Repeated recharging of a secondary battery can lead to battery deterioration and increase its internal resistance. Problems can intensify when there is a short-circuit in the internal cell leading to voltage drop, overheating and complete battery malfunction. Worst of all, short circuits as a result of battery corrosion can cause life-threatening fires and other accidents.

With the new 3554 BATTERY HITESTER, you are assured of a quick, complete and accurate diagnosis of the internal resistance and voltage of lead-acid batteries such as those vital for backing up UPS devices. Prevent the halt of time-critical processes due to a deteriorated battery, and increase your product efficiency.

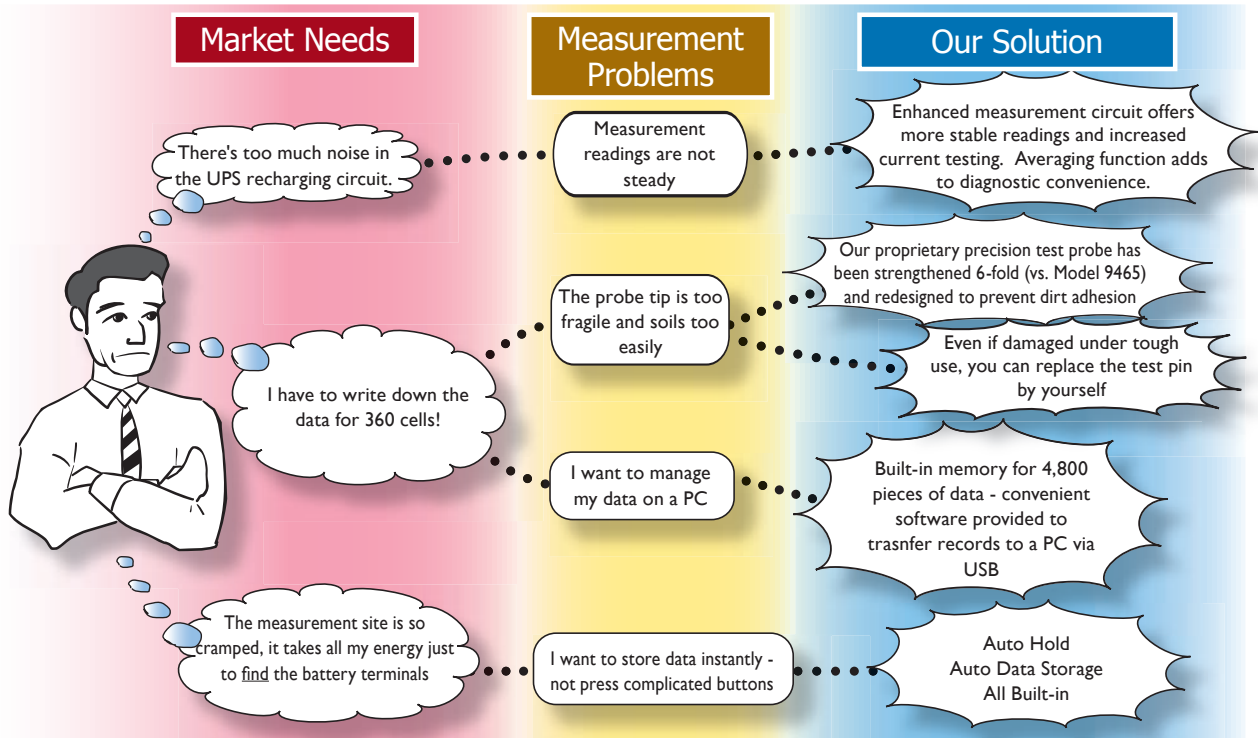


ISO14001  
JQA-E-90091



ISO 9001  
JMI-0216

# What the 3554 Can Do For You



## Special Features

### One single device can give you a diagnosis of the deterioration state of a UPS battery

4-range design and 0.001mΩ to 3.100Ω testing capabilities let you measure mid-capacity batteries in UPS devices to large-capacity sealed lead-acid batteries with ease.

### Instantaneously determine PASS, WARNING or FAIL on a battery's deterioration state by testing its internal resistance and voltage level

Simply set primary and secondary limits for a battery's resistance level and a minimum threshold for voltage and the battery tester will test against the combination of reference values to offer a quick and accurate assessment

*Note: The thresholds for determining the pass/fail condition of a battery depends on the specifications and standards of the battery manufacturer, battery type, capacity, etc. It is important and necessary to always conduct battery testing against the internal resistance and terminal voltage of a new or reference battery.*

### Built-in USB interface to facilitate quick and convenient data management on a PC

### Auto data storage offers independence and flexibility on the worksite

## Options

- 9460** Clip-type Lead with Temperature Sensor
- 9772** Pin-type Lead
- 9466** Remote Control Switch
- 9467** Large Clip Type Lead (no CE mark)
- 9465-90** Tip Pin (for 9465-10)
- 9772-90** Tip Pin (for 9772)

*In some cases, it may be difficult to determine the deterioration state of sealed lead acid batteries which demonstrates smaller changes in internal resistance than traditional open type (liquid) or alkaline lead acid batteries.*

## Basic Specifications (Accuracy Guaranteed for 1 Year)

Resistance Range	3.000m/30.00 m/300.0 m/3.000 Ω
Resistance Accuracy	±0.8 %rdg. ±6 dgt., 3.000 mΩのみ ±1.0 %rdg. ±8 dgt.
Voltage Range	±6.000 V/60.00 V
Voltage Accuracy	±0.08 %rdg. ±6 dgt.
Temperature Measurement Range	-10.0 °C~60.0 °C (when used with 9460)
Temperature Accuracy	±1 °C
Measurement Frequency	1 kHz ± 30 Hz
Measurement Current (Range)	150 mA(3 m/30 mΩ), 15 mA(300 mΩ), 1.5 mA(3 Ω), Open terminal voltage: 5 V max.
Max. Allowable Voltage	DC 60 V (No AC input allowed)
Comparator	Primary and secondary resistance levels, minimum voltage limit
No. of Comparator Settings	200
Data Storage	4800 sets(date & time, resistance, voltage, temperature, comparator value, comparator decision)
PC interface	USB (with bundled software for data transfer to PC)
Power Supply	AA (LR6) Alkaline Batteries x 9 for up to 10 hours of continuous use
Dimensions & Mass	192W×121H × 55D mm, 790 g

The standard 3554 Package comes bundled with one 9465-10 Pin type Lead, one USB Cable, data management PC software, tough carrying case, zero-adjustment board, eight AA batteries, and one spare fuse.



# HIOKI

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