

BATTERY HITESTER 3554

Component measuring instruments

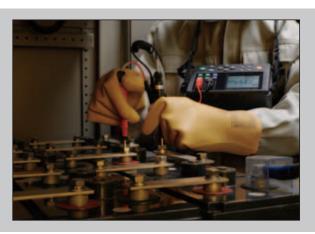


Application Guide



Get a Complete Diagnosis of **UPS Batteries with a Single Device**





Save Time and Money with the 3554



Measurement values are automatically saved once they are stabilized. For optimal efficiency, use Auto Hold and Auto Save at the same time.

Data is automatically recorded as soon as the probes touch the battery terminals and values stablize.

Measure UPS While Online

There is no need to disconnect individual UPS batteries to take measurements. Measure resistance and voltage while they are still connected to the system. (Embedded UPS batteries and other small devices excluded.)

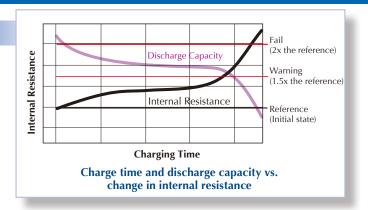


Diagnose UPS Battery Deterioration

How much does internal resistance change?

When the internal resistance increases to 2 to 3 times the initial resistance of a new out-of-the-box battery, battery performance will begin to deterioriate.

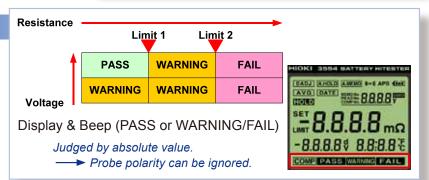
Still, deterioration rates and initial resistance values vary from brand to brand, so the best practice is to first measure the initial internal resistance and voltage between the terminals of the battery and set them as the reference values. Generally, measured results that are 1.5 times the initial values should be regarded as the WARNING state and 2 times the FAIL state.



Comparator

■ Resistance: Two limits■ Voltage: One limit

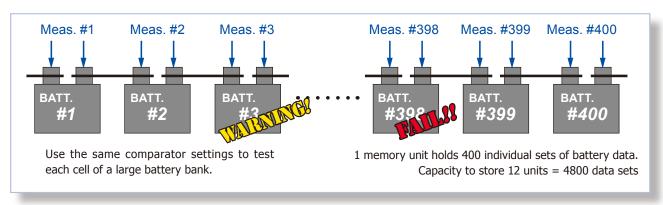
200 comparator settings can be saved to the Battery HiTESTER 3554, letting you recall the threshold limits conveniently so that you can quickly go from battery to battery.



Repeated Testing of Each Cell

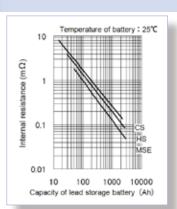
Testing and comparing against thresholds for one battery after another quickly and efficiently saves time and money.

Data for up to 400 individual batteries can be saved as a single memory unit right on the battery tester, enough to support an entire cubicle of batteries with room to spare. The 3554 has memory to store 12 units of such data, essentially supporting the data retention of 4800 individual batteries.



Compatible Batteries

The 3554 is most effective when used to diagnose the deterioration of backup UPS systems comprised of CS, HS, MSE lead storage batteries. When making a diagnosis, be sure to test the batteries at their fully charged state.



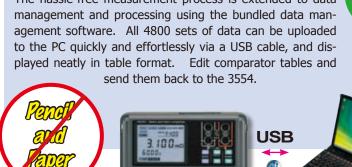
CS: Clad type stationary lead storage battery HS: High rate discharge paste type stationary lead storage battery MSE: Seal type stationary lead storage battery

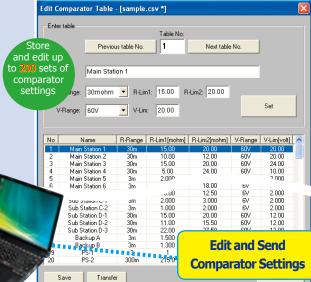
From "Textbook of storage battery fitters qualification lecture notes" of the Japan Battery Industry Association

Quickly Download Data to a PC via USB Interface -**Effortlessly Manage Using Bundled Software**

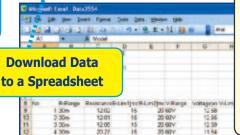
After returning from the field, the diagnostic data can be easily uploaded to the PC for further analysis using the free bundled software. Get a complete look at the condition of the backup battery system from the comfort of your office.

The hassle-free measurement process is extended to data









Download:

- Data Memory Number
- Resistance value
- Resistance limits
- Voltage value
- Voltage limit Temperature
- Judgement
- Date & time

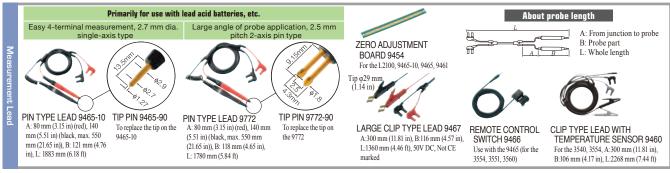
■ Model Configuration



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



Options



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