

Information

NEW

HIOKI

## Even speedier testing for UPS batteries



Device appearance may change without notice

## BATTERY TESTER BT3554

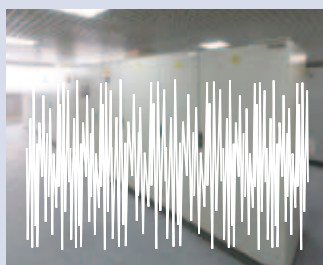
Bluetooth Model

BATTERY TESTER BT3554-01 \*

Unstable readings are due to noise

When a battery is measured while the UPS is operating, the UPS's noise affects the measurement.

Noise makes readings unstable, which makes accurate judgments impossible.



Quick and high-consistency measurement

1. Combination of low-pass and band-pass filters yields measurement with a low level of noise effects.



2. If appreciable noise effects still remain, measurement frequency is changed. Then measurement is made automatically.



3. The tester then automatically displays a battery internal resistance value based on the reading at the frequency least affected by noise.

Improved noise tolerance

Measures accurately even when UPS is operating



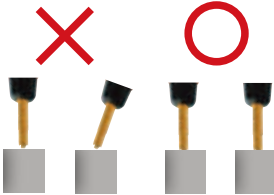
\* Countries and regions where wireless operation is currently supported: Japan, USA, Canada, EU, and Vietnam  
Information valid as of Feb. 18, 2016.  
For the latest information, please refer to the Hioki website.

## Avoid misjudgments

Measurement readings are not displayed unless the probe tips are properly contacting the battery electrodes. This prevents misjudgments due to insufficient contacting.

Not properly contacting, due to tilt, etc.

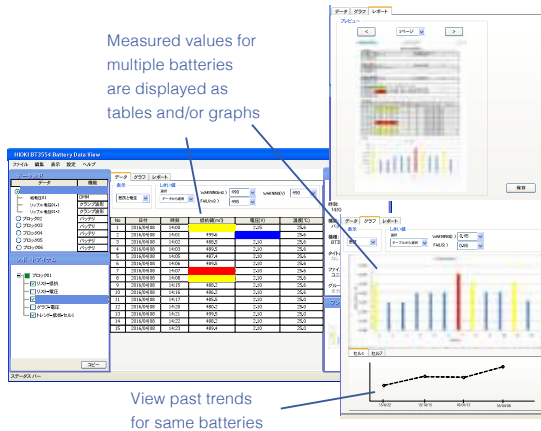
Make sure tips are in properly contacting state



## Edit saved data on PC

Use the PC application to import data saved on the device's internal memory and then view it in tabulated format or compile it into graphs or reports. You can also export the data in CSV format.

\*Included as an accessory.



## BATTERY TESTER BT3554

Order Code: BT3554



Accessories: pin-type lead 9465-10, USB cable, dedicated software, strap, carrying case, zero-adjust board, eight AA alkaline batteries (LR6), fuse

## BATTERY TESTER BT3554-01

Order Code: BT3554-01



Even speedier linked up to a smartphone

Bundled accessories are the same as the BT3554

## BT3554 Specifications

(Accuracy guaranteed for: 1 year; Post-adjustment accuracy guaranteed for: 1 year) Product guaranteed for: 3 years

General specifications		Functional Specifications			
Measurement parameters	Resistance (AC 4-terminal method), voltage, temperature (platinum temperature sensor)	Frequency shift function	Executes measurement at the frequency least susceptible to the noise effects		
Display update rate	Once per second	Hold data function	Press a button to freeze the reading		
Maximum input voltage	60 V DC. AC input is not allowed	Auto hold data function	Freezes the reading automatically when it has stabilized		
Operating temperature and humidity range	0 to 40°C (32°F to 104°F), humidity no more than 80% RH	Comparator	Displays the results as shown in the table below, and triggers beeper tone and red backlight accordingly		
Standard compliance	Safety: EN61010 EMC: EN61326			Resistance value low	Resistance value medium
Dielectric withstand voltage	1 minute, 1.5 kV (rms) AC		Voltage value high	PASS	WARNING
Power supply	Eight AA alkaline batteries (LR6)		Voltage value low	WARNING	FAIL
Continuous operating time	Approx. 7 hours (when alkaline batteries used)	Memory function	For saving / reading out / erasing measurement values Date items: 6000 (500 data items per unit)		
Interface	USB; Bluetooth® with BT3554-01 only	Auto memory function	Saves measurement values automatically when they are frozen (the saved data can be erased)		
External dimensions	192 mm (7.56 in) W x 121 mm (4.76 in) H x 55 mm (2.17 in) D				
mass.	BT3554: approx. 790 g (27.9 oz.) (including batteries) BT3554-01: approx. 800 g (28.2 oz.) (including batteries)				

## Accuracy specifications

Conditions for guaranteed accuracy: 23°C ± 5°C (73°F ± 41°F), no more than 80% RH (free of condensation), no warm-up time (not needed), zero adjustment implemented

### Resistance measurement accuracy:

Range	Maximum reading	Resolution	Measurement accuracy	Measurement current
3 mΩ	3.100 mΩ	1 μΩ	±1.0% rdg. ±8 dgt.	150 mA
30 mΩ	31.00 mΩ	10 μΩ		150 mA
300 mΩ	310.0 mΩ	100 μΩ	±0.8% rdg. ±6 dgt.	15 mA
3 Ω	3.100 Ω	1 mΩ		1.5 mA

Measurement current frequency: 1 kHz ± 30 Hz  
(1 kHz ± 80 Hz when frequency shift function is enabled)

### Voltage measurement accuracy:

Range	Maximum reading	Resolution	Measurement accuracy
6 V	±6.000 V	1 mV	±0.08% rdg. ±6 dgt.
60 V	±60.00 V	10 mV	±0.08% rdg. ±6 dgt.

### Temperature measurement accuracy:

Measurement range	Maximum reading	Resolution	Measurement accuracy
-10°C to 60°C	60.0°C	0.1°C	±1.0°C

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