

BT3554 - Battery Tester

Even Speedier Diagnosis of the Deterioration of Lead-acid Batteries

Rating: Not Rated Yet
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Manufacturer [Hioki](#)

Description

Overview

Hioki portable battery testers support the maintenance of UPS and storage batteries critical to the life support of all businesses. The BT3554 battery internal resistance tester sets the standard for assessing the deterioration and remaining life of UPS and other lead-acid batteries by giving a complete diagnosis via battery resistance testing. The specially designed L2020 Pin Type Lead further improves testing efficiency with an L-shaped tip that lets you reach deep into the battery racks to completely probe the terminals. **Key Features** • Measure and save data in as fast as 2 seconds, a 60% improvement from the legacy 3554 • Instantaneously diagnose battery degradation (PASS, WARNING, FAIL) by measuring internal resistance and voltage • Noise reduction technology improves noise resistance • New protector delivers better ergonomic hold and durability in the field.

Specification

Basic specifications (Accuracy guaranteed for 1 year, Post-adjustment accuracy guaranteed for 1 year)

	BT3554, BT3554-10
Resistance measurement range	3 m Ω (max. display 3.100 m Ω , resolution 1 m Ω) to 3 Ω (max. display 3.100 Ω , resolution 1 m Ω), 4 ranges Accuracy: ± 0.8 % rdg. ± 6 dgt. (3 m Ω range: ± 1.0 % rdg. ± 8 dgt.) Testing source frequency: 1 kHz ± 30 Hz, With function for avoiding noise frequency enabled: 1 kHz ± 80 Hz, Testing current: 160 mA (3m/30 m Ω range), 16 mA (300 m Ω range), 1.6 mA (3 Ω range), Open terminal Voltage: 5 V peak
Voltage measurement range	± 6 V (max. display ± 6.000 V, resolution: 1 mV) to ± 60 V (max. display ± 60.00 V, resolution: 10 mV), 2 ranges, Accuracy: ± 0.08 % rdg. ± 6 dgt.
Absolute max. input voltage	60 V DC max. (No AC input)
Display update rate	Approx. 3 times/s
Comparator functions	Resistance warning limit / failure limit, and voltage warning limit setting; Number of comparator setting: 200 sets, Beeper sound, PASS/WARNING or FAIL
Data storage	Max. storable data: 6000 sets. (Saved items: Date, time, resistance

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	value, voltage value, temperature, comparator setting values, and comparator judgement.)
Communication interface	Via USB (forward the data to the PC, bundled software) No Bluetooth® Wireless technology
Other functions	Temperature measurement (-10.0 to 60.0 °C), Zero-adjustment, Hold, Auto-hold, Auto-memory, Auto-power-save, Clock
Power supply	LR6 (AA) Alkaline dry battery ×8, Continuous operating time: 8.5 hr
Dimensions and mass	199 mm (7.83 in)W × 132 mm (5.20 in)H × 60.6 mm (2.39 in)D (with protector), 937 g (33.1 oz) (including batteries and protector)
Accessories	Zero adjustment board ×1, Instruction manual ×1, Application software CD ×1, Power-on option sticker ×1, Carrying case ×1, LR6 (AA) alkaline batteries ×8, Spare fuse ×1, USB cable ×1, Neck strap ×1, Protector ×1
	Pin Type Lead 9465-10 ×1 (Bundled with the BT3554), Pin Type Lead L2020 ×1 (Bundled with the BT3554-10)