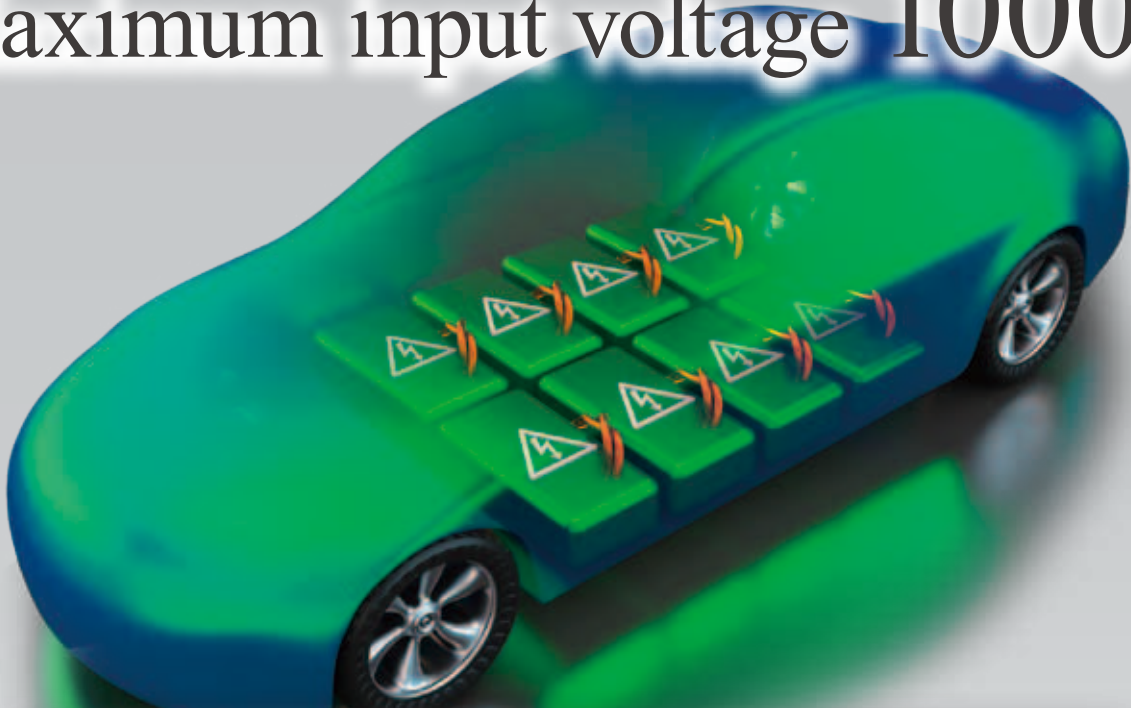


Maximum input voltage 1000V

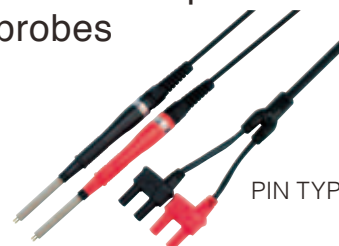


Internal resistance and voltage testing of increasingly high voltage EV battery packs



- Measure EV and PHEV battery packs
- 0m Ω to 3k Ω internal resistance range
(Pack total resistance, bus bar resistance)

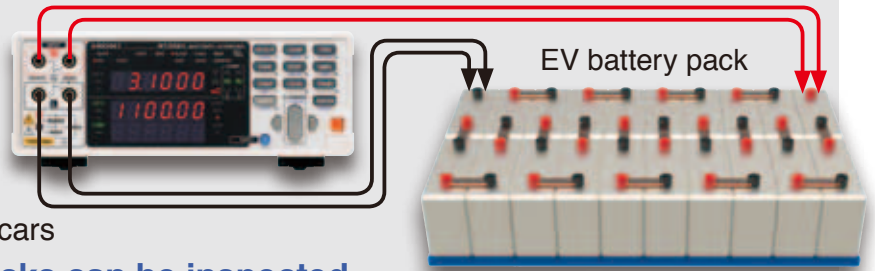
- 1000V-compliant measurement probes



PIN TYPE LEAD L2110
(option)

Shipping and acceptance inspections of EV, PHEV battery packs

Input voltage
1000V



EV buses, trucks and passenger cars

All EV and PHEV battery packs can be inspected

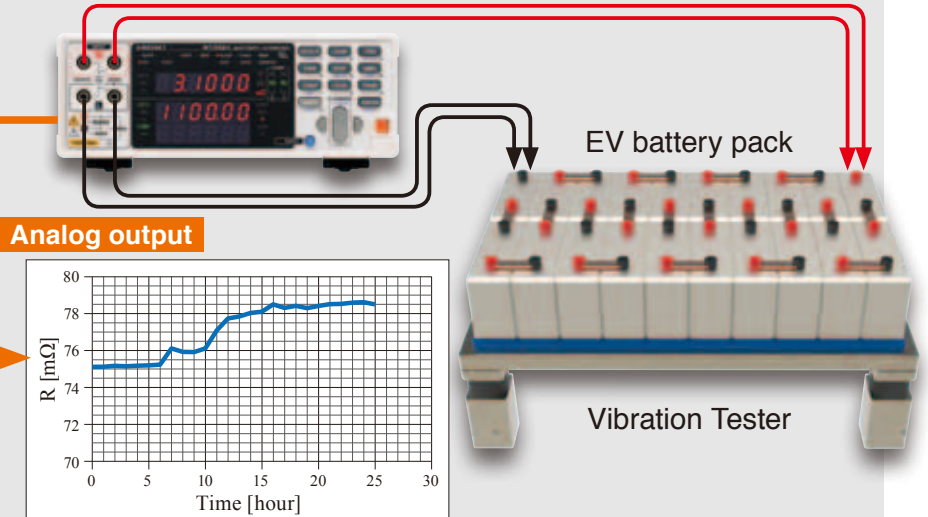
Monitor total resistance using analog output function

○ Fluctuation of total resistance during vibration tests

To ensure the battery pack's stability against vibrations while driving EV or PHEV, proper testing is critical.

○ Simultaneously record temperature captured by a recorder or logger

Record variations in total resistance caused by temperature or humidity changes in the environment.



BT3564 specifications (Accuracy guaranteed for 1 year, Post-adjustment accuracy guaranteed for 1 year)

Measured signals	Impedance, voltage
------------------	--------------------

Resistance measurement

Measurement range	3 mΩ, 30 mΩ, 300 mΩ, 3 Ω, 30 Ω, 300 Ω, 3 kΩ
Display Count	±31000
Accuracy *	±0.5% rdg. ±10 dgt. (3 mΩ) ±0.5% rdg. ±5 dgt. (others)
Measurement frequency	1kHz ±0.2Hz

Voltage measurement

Measurement range	10 V	100 V	1000 V
Display range	±9.99999 V	±99.9999 V	±999.999 V ±1100.00 V
Accuracy *	±0.01% rdg. ±3 dgt.		
Guaranteed accuracy range	±9.99999 V	±99.9999 V	±999.999 V

*Sampling rate : SLOW, Average : 4

Analog output

Output	Resistance measurement value (display value)
Output voltage	DC 0 V to DC 3.1 V (corresponding to the count value 0 to 31000)

Function	Comparator, self-calibration, trigger, delay, average, zero-adjust, statistical operations, data memory/mass send, key lock, power frequency setting, panel save, reset
Measurement error detection	SOURCE Connection anomaly between high-low SENSE Connection anomaly between high-low
Interface	RS-232C, GP-IB
EXT. I/O	TRIG, EOM, LOAD, Hi, IN, Lo, and others
Operating temperature and humidity range	0°C to 40°C, 80% RH or less (no condensation)
Storage temperature and humidity range	-10°C to 50°C, 80% RH or less (no condensation)
Power supplies	Rated supply voltage: 100 to 240 VAC Rated supply frequency: 50/60 Hz
Rated power	30 VA
Applicable standards	Safety : EN61010-1, EN61010-2 EMC : EN61326-1, Class A
Dimensions and mass	Approx. 215W × 80H × 329D mm (8.46W × 3.15H × 12.95D in), Approx. 2.6 kg (91.7 oz)
Accessories	Power cord ×1, instruction manual ×1



Maximum input voltage 1000V.
Measure battery packs for EV and PHEV.

Model : BATTERY HiTESTER BT3564

Coming soon

Note: Company names and Product names appearing in this catalog are trademarks or registered trademarks of various companies.

HIOKI
HIOKI E. E. CORPORATION

HEADQUARTERS
81 Koizumi
Ueda, Nagano 386-1192 Japan
www.hioki.com

HIOKI USA CORPORATION
TEL +1-609-409-9109 FAX +1-609-409-9108
hioki@hiokiusa.com / www.hiokiusa.com

HIOKI (Shanghai) SALES & TRADING CO., LTD.
TEL +86-21-6391-0090/0092 FAX +86-21-6391-0360
info@hioki.com.cn / www.hioki.cn

HIOKI SINGAPORE PTE.LTD.
TEL +65-6634-7677 FAX +65-6634-7477
info-sg@hioki.com.sg / www.hioki.com.sg

HIOKI KOREA CO., LTD.
TEL +82-2-2183-8847 FAX +82-2-2183-3360
info-kr@hioki.co.jp / www.hiokikorea.com

HIOKI EUROPE GmbH
TEL +49-6173-3234063 FAX +49-6173-3234064
hioki@hioki.eu / www.hioki.com

DISTRIBUTED BY