

Fit All Battery Internal Resistance Test



GBM-3000 Series Battery Meter

- 3.5" TFT LCD (320x240)
- Measurement Items : DC Voltage and AC Resistance
 - * Voltage Measurement : 1000V(GBM-3100H)/300V(GBM-3300)/80V(GBM-3080)
 - * Resistance Measurement : 0m Ω ~ 3.2k Ω (max.)
- Basic Accuracy For Voltage Measurement : 0.01%
- Basic Accuracy For Resistance Measurement : 0.5%
- Measurement Resolution up to 0.1 $\mu\Omega$ and 10 μ V, Suitable For Single-cell Measurement
- Independent Go/NoGo Determination Function For Voltage and Resistance Respectively
- The Judgment Mechanism of Test Lead (Probe) Disconnect/Contact Failure is to Ensure The Measurement Reliability
- Standard Interfaces : USB Host/Device, RS-232C and Handler

SPECIFICATIONS

DISPLAY	Screen Resistance Voltage	3.5" (320 x240) TFT LCD 5 digits 6 digits																																																			
TEST SPEED	Slow Medium Fast Ex. Fast	4 time/second 11 time/second 25 time/second 60 time/second																																																			
RESISTANCE MEASUREMENT	Test Frequency	1kHz (±0.5Hz) Fixed																																																			
	Input Impedance	3mΩ~ 300mΩ: 99kΩ, 3Ω ~ 3kΩ: 2MΩ																																																			
	Range	<table><tr><td>Range No.</td><td>Range</td><td>Max. scale</td><td>Resolution</td><td>Test Current</td><td>Open-circuit Voltage (Vpp,Max)</td></tr><tr><td>0</td><td>3mΩ</td><td>3.1000mΩ</td><td>0.1 μΩ</td><td>100mA</td><td>8V</td></tr><tr><td>1</td><td>30mΩ</td><td>31.000mΩ</td><td>1 μΩ</td><td>100mA</td><td>8V</td></tr><tr><td>2</td><td>300mΩ</td><td>310.00mΩ</td><td>10 μΩ</td><td>10mA</td><td>7V</td></tr><tr><td>3</td><td>3Ω</td><td>3.1000Ω</td><td>100 μΩ</td><td>1mA</td><td>3V</td></tr><tr><td>4</td><td>30Ω</td><td>31.000Ω</td><td>1mΩ</td><td>100 μA</td><td>2V</td></tr><tr><td>5</td><td>300Ω</td><td>310.00Ω</td><td>10mΩ</td><td>10 μA</td><td>1.5V</td></tr><tr><td>6</td><td>3kΩ</td><td>3200.0Ω</td><td>100mΩ</td><td>10 μA</td><td>1.5V</td></tr></table>				Range No.	Range	Max. scale	Resolution	Test Current	Open-circuit Voltage (Vpp,Max)	0	3mΩ	3.1000mΩ	0.1 μΩ	100mA	8V	1	30mΩ	31.000mΩ	1 μΩ	100mA	8V	2	300mΩ	310.00mΩ	10 μΩ	10mA	7V	3	3Ω	3.1000Ω	100 μΩ	1mA	3V	4	30Ω	31.000Ω	1mΩ	100 μA	2V	5	300Ω	310.00Ω	10mΩ	10 μA	1.5V	6	3kΩ	3200.0Ω	100mΩ	10 μA	1.5V
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VOLTAGE MEASUREMENT	Range (GBM-3100H)	<table><tr><td>Range No.</td><td>Range</td><td>Max. scale</td><td>Resolution</td></tr><tr><td>0</td><td>10V</td><td>±9.99999</td><td>10 μV</td></tr><tr><td>1</td><td>100V</td><td>±99.9999</td><td>100 μV</td></tr><tr><td>2</td><td>1000V</td><td>±1009.99</td><td>1mV/10mV</td></tr></table>				Range No.	Range	Max. scale	Resolution	0	10V	±9.99999	10 μV	1	100V	±99.9999	100 μV	2	1000V	±1009.99	1mV/10mV																																
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OTHER FUNCTIONS	Range Selection Comparator Contact Detection Buzzer Trigger	Auto range, Hold range, Nom range ABS, PER or SEQ OPEN & WIRE OFF, Pass, Fail INT, EXT																																																			
INTERFACE		USB Host/USB Device/RS-232C/Handler																																																			
POWER SOURCE		AC 100-240, 50-60Hz; Consumption: 10W																																																			
DIMENSIONS & WEIGHT		264(W) x 107(H) x 309(D) mm, Approx. 2.8kg																																																			

Specifications subject to change without notice. GBM-3000Series1D1DS

ORDERING INFORMATION

GBM-3100H 1000V Battery Meter (including RS-232C/USB device/host and HANDLER interface)
GBM-3300 300V Battery Meter (including RS-232C/USB device/host and HANDLER interface)
GBM-3080 80V Battery Meter (including RS-232C/USB device/host and HANDLER interface)

ACCESSORIES

Safety sheet x 1, Power cord x 1,
GBM-01 x 1 : 4 Wire(kelvin clip) test lead, 90V(max.), approx..1100mm

FREE DOWNLOAD

PC Software Battery Meter

OPTION ACCESSORIES

GBM-02 4 Wire (single pin) test probe, 80V (max.), approx. 1100mm
GBM-03 4 Wire (twin pin) test probe, 300V (max.), approx. 1400mm
GBM-03A 4 Wire (twin pin) test probe, 1000V (max.), approx. 1400mm
GBM-S1 Short Bar (for GBM-02/GBM-03/GBM-03A)
GTL-232 RS-232C cable, 9-pin Female to 9-pin, null modem for computer, Approx. 2000mm
GTL-246 USB cable, A-B type, approx.1200mm
GRA-422 Rack Mount kit
GRA-454 Rack Mount Kit (19",2U) for one set or two sets

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