Fit All Battery Internal Resistance Test

GBM-3300/3080

Battery Meter

- 3.5' TFT LCD (320x240)
- Measurement items : DC voltage and AC resistance
  * Voltage measurement : 300V (GBM-3300) or 80V (GBM-3080)
  * Resistance measurement : 0mΩ~ 3.2kΩ (max.)
- Basic Accuracy For Voltage Measurement : 0.01%
- Basic Accuracy For Resistance Measurement : 0.5%
- Measurement Resolution up to 0.1μΩ and 10μV, 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

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GW INSTEK
Simply Reliable

SPECIFICATIONS

DISPLAY

Screen	3.5"(320 x240) TFT LCD
Resistance	5 digits
Voltage	6 digits

TEST SPEED

Slow	3 time/second
Medium	14 time/second
Fast	25 time/second
Ex. Fast	65 time/second

RESISTANCE MEASUREMENT

Range

Range No.	Range	Max. scale	Resolution	Test Current	Open-circuit Voltage
0	3mΩ	3.1000mΩ	0.1μΩ	100mA	2.99V
1	30mΩ	31.000mΩ	1μΩ	100mA	2.99V
2	300mΩ	310.00mΩ	10μΩ	10mA	2.63V
3	3Ω	3.1000Ω	100μΩ	1mA	1.09V
4	30Ω	31.000Ω	1mΩ	100μA	0.56V
5	300Ω	310.00Ω	10mΩ	10μA	0.28V
6	3kΩ	3200.0Ω	100mΩ	10μA	0.28V

Accuracy

Range No.	Speed	Accuracy	Temperature Coefficient
0	Slow	±0.5%rdg ± 10dgt	(±0.05%rdg ±1dgt)/°C
	Medium	±0.5%rdg ± 15dgt	
	Fast	±0.5%rdg ± 20dgt	
	EX. Fast	±0.5%rdg ± 40dgt	
1~6	Slow	±0.5%rdg ± 5dgt	(±0.05%rdg ± 0.5dgt)/°C
	Medium	±0.5%rdg ± 7dgt	
	Fast	±0.5%rdg ± 7dgt	
	EX. Fast	±1.0%rdg ± 8dgt	

VOLTAGE MEASUREMENT

Range

Range No.	Range	Max. scale	Resolution
0	8V	±8.08000	10μV
1	80V	±80.8000	100μV
2	300V (For GBM-3300 only)	±303.000	1mV

Accuracy

Range No.	Speed	Accuracy	Temperature Coefficient
0~2	Slow	±0.01%rdg ± 3dgt	(±0.001%rdg ± 0.3dgt)/°C
	Medium	±0.01%rdg ± 5dgt	
	Fast	±0.05%rdg ± 5dgt	
	EX. Fast	±0.10%rdg ± 6dgt	

OTHER FUNCTIONS

Range Selection	Auto range, Hold range, Nom range
Comparator	ABS, PER or SEQ
Contact Detection	OPEN & WIRE
Buzzer	OFF, Pass, Fail
Trigger	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 350(D) mm, Approx. 2.8kg

Specifications subject to change without notice. PM-8213CD1DS

ORDERING INFORMATION

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,
CD x 1 (including complete user manual and USB driver)

OPTION ACCESSORIES

GBM-02 4 Wire (single pin) test probe, 90V (max.), approx. 1100mm
GBM-03 4 Wire (twin pin) test probe, 300V (max.), approx. 1400mm
GBM-S1 Short Bar (for GBM-02/GBM-03)
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

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