

GBM-3000 Specifications

The specifications apply when the GBM-3000 is powered on for at least 30 minutes under +18°C~+28°C.



Model \ Func.	AC Resistance	DC Voltage
GBM-3100H	0~3.2kΩ	0~1000V
GBM-3300	0~3.2kΩ	0~300V
GBM-3080	0~3.2kΩ	0~80V

DISPLAY						
Screen	3.5”(320 x240) TFT LCD					
Resistance	5 digits					
Voltage	6 digits					
TEST SPEED						
Slow	4 time/second					
Medium	11 time/second					
Fast	25 time/second					
Ex. Fast	60 time/second					
RESISTANCE MEASUREMENT						
Test Frequency	1kHz (±0.5Hz) Fixed					
Input Impedance	3mΩ ~ 300mΩ : 99kΩ, 3Ω ~ 3kΩ : 2MΩ					
Range	Range No.	Range	Max. scale	Resolution	Test Current	Open-circuit Voltage (Vpp max)
	0	3mΩ	3.1000mΩ	0.1μΩ	100mA	8V
	1	30mΩ	31.000mΩ	1μΩ	100mA	8V
	2	300mΩ	310.00mΩ	10μΩ	10mA	7V
	3	3Ω	3.1000Ω	100μΩ	1mA	3V
	4	30Ω	31.000Ω	1mΩ	100μA	2V
	5	300Ω	310.00Ω	10mΩ	10μA	1.5V
	6	3kΩ	3200.0Ω	100mΩ	10μA	1.5V
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 (GBM-3100H)	Range No.	Range	Max. scale	Resolution
	0	10	±9.99999	10μV
	1	100V	±99.9999	100μV
	2	1000V	±1009.99	1mV/10mV
Range (GBM-3300/3080)	Range No.	Range	Max. scale	Resolution
	0	8V	±8.08000	10μV
	1	80V	±80.8000	100μV
	2*	300V	±303.000	1mV
Accuracy	* : 300V for GBM-3300 only			
	Range No.	Speed	Accuracy	Temperature Coefficient
	0~2	Slow	±0.01%rdg ± 5dgt	(±0.001%rdg ± 0.5dgt)/°C
		Medium	±0.01%rdg ± 7dgt	
		Fast	±0.05%rdg ± 7dgt	
		Ex. Fast	±0.10%rdg ± 10dgt	
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				