

GDM-8245 Specifications

The specifications apply when the GDM-8245 is powered on for at least 30 minutes under +20°C~+30°C.

DC VOLTAGE	
Range	500mV, 5V, 50V, 500V, 1000V 5 ranges
Accuracy	$\pm(0.03\% \text{ rdg} + 4 \text{ digits})$
Input Impedance	10M Ω
AC VOLTAGE True RMS (AC or AC+DC True RMS)	
Range	500mV, 5V, 50V, 500V, 1000V 5 ranges
Accuracy	500mV ~ 50V 3 ranges: 20Hz ~ 45Hz: $\pm(1\% \text{ rdg} + 15 \text{ digits})$ 45Hz ~ 2kHz: $\pm(0.5\% \text{ rdg} + 15 \text{ digits})$ 2kHz ~ 10kHz: $\pm(1\% \text{ rdg} + 15 \text{ digits})$ 10kHz ~ 20kHz: $\pm(2\% \text{ rdg} + 30 \text{ digits})$ 20kHz ~ 50kHz: $\pm(5\% \text{ rdg} + 30 \text{ digits})$ 500V,1000V 2 ranges: 45Hz ~ 1kHz: $\pm(0.5\% \text{ rdg} + 15 \text{ digits})$
Input Impedance	10M Ω
DC CURRENT	
Range	500 μ A, 5mA, 50mA, 500mA, 2A, 20A 6 ranges
Accuracy	500 μ A ~ 500mA 4 ranges : $\pm(0.02\% \text{ rdg} + 2 \text{ digits})$ 2A ~ 20A 2 ranges : $\pm(0.3\% \text{ rdg} + 2 \text{ digits})$
AC CURRENT True RMS (AC or AC+DC True RMS)	
Range	500 μ A, 5mA, 50mA, 500mA, 2A, 20A 6 ranges
Accuracy	500 μ A ~ 20A 6 ranges 20Hz ~ 45Hz: $\pm(1\% \text{ rdg} + 15 \text{ digits})$ 45Hz ~ 2kHz: $\pm(0.5\% \text{ rdg} + 15 \text{ digits})$ 500 μ A ~ 50mA 3 ranges 2kHz ~ 10kHz: $\pm(1\% \text{ rdg} + 15 \text{ digits})$ 10kHz ~ 20kHz: $\pm(2\% \text{ rdg} + 15 \text{ digits})$
RESISTANCE	
Range	500 Ω , 5k Ω , 50k Ω , 500k Ω , 5M Ω , 20M Ω 6 ranges
Accuracy	500 Ω range : $\pm(0.1\% \text{ rdg} + 4 \text{ digits})$ 5k Ω ~ 500k Ω 3 ranges : $\pm(0.1\% \text{ rdg} + 2 \text{ digits})$ 5M Ω range : $\pm(0.2\% \text{ rdg} + 2 \text{ digits})$ 20M Ω range : $\pm(0.3\% \text{ rdg} + 2 \text{ digits})$
DIODE TEST	
	Maximum forward voltage 1.5V, open voltage 2.8V
CAPACITANCE	
Range	5nF, 50nF, 500nF, 5 μ F, 50 μ F 5 ranges
Accuracy	$\pm(2\% \text{ rdg} + 4 \text{ digits})$
FREQUENCY	

Input Level (Sine Wave)	mV range : 10Hz ~ 50kHz >120mV 50kHz ~ 150kHz >200mV 5V ~ 50V range : 10Hz ~ 200kHz >1.2V 500V range : 20Hz ~ 1kHz >12V
FUNCTIONS	Auto Range, Manual Range, Max, Min, dBm, Rel, Hold
CONTINUITY BEEP	< 5Ω
DISPLAY	Dual display 0.4", 0.5" 7 segment LED
POWER SOURCE	AC 100V/120V/230V ±10%, 50/60Hz
DIMENSIONS & WEIGHT	251(W) × 91(H) × 291(D) mm Approx 2.6kg