

50000 COUNTS DUAL DISPLAY DIGITAL MULTIMETER



GDM-8245 (50000 Counts)



FEATURES

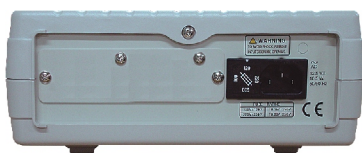
- * 50000 Counts Display
- * Multi-Function ACV, DCV, ACA, DCA, R, C, Hz, Continuity Beeper, Diode Test, Max/Min, REL, Hold, dBm
- * Dual Display Indicate ACV and Hz, DCV(ACV) and dBm
- * Manual or Auto Ranging
- * 0.03% DCV Accuracy
- * ACV Measuring Frequency Up to 50kHz
- * AC True RMS or AC + DC True RMS

GTL-117 Test Lead

For: GDM-8245/8246
GDM-8255A/8251A



Rear Panel



The GDM-8245 is an economical bench-top DMM equipped with a rich set of features. The GDM-8245 has similar functions to the GDM-8246, but with slightly reduced DCV accuracy and no communication interfaces. The large 7 segment LED dual display features up to 50,000 counts and the ability to show two measurements at extensive list of measurement items - DC Voltage/Current, AC Voltage/Current with true RMS, Resistance, Capacitance, Frequency, Continuity (with beeper), Diode Test, and dBm. Additional measurement functions, such as Max/Min hold, Relative value, and Compare ease setup and diagnosis burdens. With great range, good accuracy and able to accept up to 20A of current the GDM-8245 is the perfect general purpose DMM.

SPECIFICATIONS	
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 : $\pm (0.5\% \text{ rdg} + 15 \text{ digits})$ 2k ~ 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 range : 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 ~ 500mA 4 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 : $\pm (0.1\% \text{ rdg} + 4 \text{ digits})$; 5k Ω ~ 500k Ω 3 ranges : $\pm (0.1\% \text{ rdg} + 2 \text{ digits})$ 5M Ω : $\pm (0.2\% \text{ rdg} + 2 \text{ digits})$; 20M Ω : $\pm (0.3\% \text{ rdg} + 2 \text{ digits})$
DIODE TEST	
	The one range can check the forward voltage of diode. 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 ; 50k ~ 150kHz : >200mV 5V ~ 50V range : 10Hz ~ 200kHz >1.2V ; 500V range : 20Hz ~ 1kHz >12V
FUNCTIONS	
	Auto Manual/Range, Max, Min, dBm, REL, Hold
CONTINUITY BEEPER	
	Built in buzzer sounds when conductance is less than 5 Ω
DISPLAY	
	Dual Display 0.4" and 0.5", 7 segment LED display
POWER SOURCE	
	AC 100V/120V/230V $\pm 10\%$, 50/60Hz
DIMENSIONS & WEIGHT	
	251 (W) x 91 (H) x 291 (D) mm, Approx. 2.6kg

ORDERING INFORMATION

GDM-8245 50,000 Counts Dual Display Digital Multimeter

ACCESSORIES :

User manual x 1, Power cord x 1, Test lead GTL-117 x 1