

50000 COUNTS DUAL DISPLAY DIGITAL MULTIMETER



GDM-8246 (50000 Counts)



FEATURES

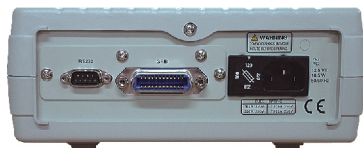
- * 50000 Counts Display
- * Multi-Function ACV, DCV, ACA, DCA, R, C, Hz, Continuity Beeper, Diode Test, Max/Min, REL, Auto Hold, dBm
- * Compare Function
- * Dual Display Indicate ACV and Hz, DCV(ACV) and dBm
- * DCV and ACV Ripple
- * Manual or Auto Ranging
- * 0.02% DCV Accuracy
- * ACV Measuring Frequency Up to 100kHz
- * 20A Current Range With High Energy Fuse Protection
- * Auto-Recall the Settings Upon Power ON
- * AC True RMS or AC + DC True RMS
- * RS-232C Interface
- * Option : GPIB Interface

GTL-117 Test Lead

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



Rear Panel



The GDM-8246 bench-top DMM is equipped with a rich set of features. It offers a 50,000 counts meter with a large dual display 7 segment LED. The display is capable of showing two electrical characteristics at once: ACV plus frequency or dBm, DCV plus dBm or ACV ripple. The GDM-8246 carries an 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. The GDM-8246 supports remote control and data-logging using standard IEEE488.2 protocol or proprietary Windows based software via an RS-232C or optional GPIB interface.

SPECIFICATIONS

DC VOLTAGE	
Range	500mV, 5V, 50V, 500V, 1000V 5 ranges
Accuracy	$\pm (0.02\% \text{ rdg} + 4 \text{ digits})$
Input Impedance	10M Ω
AC VOLTAGE TRUE RMS	
Range	500mV, 5V, 50V, 500V, 1000V 5 ranges
Accuracy	500mV ~ 1000V 5 ranges : 20Hz ~ 50Hz : $\pm (1\% \text{ rdg} + 10 \text{ digits})$ 50Hz ~ 2kHz : $\pm (0.3\% \text{ rdg} + 30 \text{ digits})$ 2kHz ~ 10kHz : $\pm (0.4\% \text{ rdg} + 50 \text{ digits})$ 500mV ~ 500V 4 ranges : 10kHz ~ 20kHz : $\pm (0.5\% \text{ rdg} + 50 \text{ digits})$ 500mV ~ 50V 3 ranges : 20kHz ~ 50kHz : $\pm (2\% \text{ rdg} + 20 \text{ digits})$ 50kHz ~ 100kHz : $\pm (5\% \text{ rdg} + 50 \text{ digits})$
Input Impedance	10M Ω
DC CURRENT	
Range	500 μ A, 5mA, 50mA, 500mA, 2A, 20A 6 ranges
Accuracy	500 μ A ~ 500mA 4ranges: $\pm (0.05\% \text{ rdg} + 3 \text{ digits})$; 2A ~ 20A 2ranges: $\pm (0.2\% \text{ rdg} + 5 \text{ digits})$
AC CURRENT 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 3.1V
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 : $>120\text{mV}$; 50k ~ 150kHz : $>200\text{mV}$ 5V ~ 50V range : 20Hz ~ 200kHz $>1.2\text{V}$; 500V range : 20Hz ~ 1kHz $>12\text{V}$ Accuracy $\pm (0.05\% \text{ rdg} + 1 \text{ digit})$
FUNCTIONS	
	Auto Manual/Range, Max, Min, dBm, REL, Hold, Auto Hold Compare and Set RECALL
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
INTERFACE	
	Standard : RS-232C , Optional : GPIB
POWER SOURCE	
	AC 100V/120V/220V/230V $\pm 10\%$, 50/60Hz
DIMENSIONS & WEIGHT	
	251(W) x 91(H) x 291(D) mm, Approx. 2.6kg

ORDERING INFORMATION

GDM-8246 50,000 Counts Dual Display, Programmable DMM, with RS-232C Interface

ACCESSORIES :

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

OPTION

Opt.01 GPIB Interface (Factory Installed)

OPTIONAL ACCESSORIES

GTL-232 RS232C Cable, 9-pin Female to 9-pin, null Modem for Computer

FREE DOWNLOAD

PC Software Demo software for remote control