

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	± (0.02% rdg + 4 digits)
Input Impedance	10M Ω
AC VOLTAGE TRUE RMS	
Range	500mV, 5V, 50V, 500V, 1000V 5 ranges
Accuracy	500mV ~ 1000V 5 ranges : 20Hz ~ 50Hz : ±(1% rdg + 10 digits) 50Hz ~ 2kHz : ±(0.3% rdg + 30 digits) 2kHz ~ 10kHz : ±(0.4% rdg + 50 digits) 500mV ~ 500V 4 ranges : 10kHz ~ 20kHz : ±(0.5% rdg + 50 digits) 500mV ~ 50V 3 ranges : 20kHz ~ 50kHz : ±(2% rdg + 20 digits) 50kHz ~ 100kHz : ±(5% rdg + 50 digits)
Input Impedance	10M Ω
DC CURRENT	
Range	500 μA, 5mA, 50mA, 500mA, 2A, 20A 6 ranges
Accuracy	500 μA~500mA 4ranges: ±(0.05% rdg+3 digits); 2A~20A 2ranges: ±(0.2% rdg+5digits)
AC CURRENT TRUE RMS	
Range	500 μA, 5mA, 50mA, 500mA, 2A, 20A 6 ranges
Accuracy	500 μA ~ 20A 6 ranges 20Hz ~ 45Hz : ±(1% rdg + 15 digits) ; 45Hz ~ 2kHz : ±(0.5%rdg + 15 digits) 500 μA ~ 500mA 4 ranges 2kHz ~ 10kHz : ± (1% rdg + 15 digits) ; 10kHz ~ 20kHz : ±(2%1% rdg + 15 digits)
RESISTANCE	
Range	500 Ω, 5k Ω, 50k Ω, 500k Ω, 5M Ω, 20M Ω 6 ranges
Accuracy	500 Ω : ± (0.1% rdg + 4 digits); 5k Ω ~ 500k Ω 3 ranges : ± (0.1% rdg + 2 digits) 5M Ω : ± (0.2% rdg + 2 digits); 20M Ω : ± (0.3% rdg + 2 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	± (2% rdg + 4 digits)
FREQUENCY	
Input Level (Sine Wave)	mV range : 10Hz ~ 50kHz : >120mV ; 50k ~ 150kHz : >200mV 5V ~ 50V range : 20Hz ~ 200kHz >1.2V ; 500V range : 20Hz ~ 1kHz >12V Accuracy ± (0.05% rdg + 1 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 ± 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