

# 50000 Counts Dual Display Digital Multimeter



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.

## GDM-8245 (50000 Counts)



### FEATURES

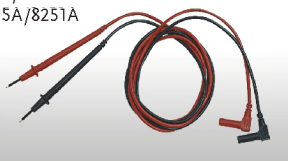
- \* 50000 Counts Display
- \* Multi-Function ACV, DCV, ACA, DCA, R, C, Hz, Continuity Beeper, Diode Test, Max/Min, REL, Hold, dBm
- \* Dual Display Indicate ACV and Hz, DCV(ACV) and dBm
- \* Manual or Auto Ranging
- \* 0.03% DCV Accuracy
- \* ACV Measuring Frequency Up to 50kHz
- \* AC True RMS or AC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

### Rear Panel



### GTL-117 Test Lead

For: GDM-8245/8246  
GDM-8255A/8251A  
CLC-9000



SPECIFICATIONS	
<b>DC VOLTAGE</b>	
Range	500mV, 5V, 50V, 500V, 1000V 5 ranges
Accuracy	± (0.03% rdg + 4 digits)
Input Impedance	10MΩ
<b>AC VOLTAGE TRUE RMS (AC OR AC + DC TRUE RMS)</b>	
Range	500mV, 5V, 50V, 500V, 1000V 5 ranges
Accuracy	500mV ~ 50V 3 ranges : 20Hz ~ 45Hz : ±(1% rdg + 15 digits) 45Hz ~ 2kHz ± (0.5% rdg + 15 digits) 2k~10kHz ± (1% rdg + 15 digits) 10kHz ~ 20kHz ± (2% rdg + 30 digits) 20kHz ~ 50kHz ± (5% rdg + 30digits) 500V,1000V range : 45Hz ~ 1kHz ± (0.5% rdg + 15 digits)
Input Impedance	10MΩ
<b>DC CURRENT</b>	
Range	500μA, 5mA, 50mA, 500mA, 2A, 20A 6 ranges
Accuracy	500μA~500mA 4ranges:±(0.02% rdg+2 digits);2A~20A 2ranges:±(0.3% rdg+2digits)
<b>AC CURRENT TRUE RMS (AC OR AC + DC TRUE RMS)</b>	
Range	500μA, 5mA, 50mA, 500mA, 2A, 20A 6 ranges
Accuracy	500μA ~ 20A 6 ranges 20Hz ~ 45Hz : ±(1% rdg + 15 digits) ; 45Hz ~ 2kHz : ± (0.5%rdg + 15 digits) 500μA ~ 50mA 3 ranges 2kHz ~ 10kHz : ± (1% rdg + 15 digits) ; 10kHz ~ 20kHz : ±(2% rdg + 15 digits)
<b>RESISTANCE</b>	
Range	500Ω, 5kΩ, 50kΩ, 500kΩ, 5MΩ, 20MΩ 6 ranges
Accuracy	500Ω : ± (0.1% rdg + 4 digits); 5kΩ ~ 500kΩ 3 ranges : ± (0.1% rdg + 2 digits) 5MΩ : ± (0.2% rdg + 2 digits); 20MΩ : ± (0.3% rdg + 2 digits)
<b>DIODE TEST</b>	
	The one range can check the forward voltage of diode. Maximum forward voltage 1.5V open voltage 2.8V
<b>CAPACITANCE</b>	
Range	5nF, 50nF, 500nF, 5μF, 50μF 5 ranges
Accuracy	± (2% rdg + 4 digits)
<b>FREQUENCY</b>	
Input Level (Sine Wave)	mV range : 10Hz ~ 50kHz : >120mV ; 50k ~ 150kHz : >200mV 5V ~ 50V range : 10Hz ~ 200kHz >1.2V ; 500V range : 20Hz ~ 1kHz >12V
<b>FUNCTIONS</b>	
	Auto Manual/Range, Max, Min, dBm, REL, Hold
<b>CONTINUITY BEEPER</b>	
	Built in buzzer sounds when conductance is less than 5Ω
<b>DISPLAY</b>	
	Dual Display 0.4" and 0.5", 7 segment LED display
<b>POWER SOURCE</b>	
	AC 100V/120V/230V±10%, 50/60Hz
<b>DIMENSIONS &amp; WEIGHT</b>	
	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