

# Dual Display Digital Multimeter



## FEATURES

- \* 50000 Counts Display
- \* Multi-Function ACV, DCV, ACA, DCA, R, C, Hz, Continuity Beeper, Diode Test, Max/Min, REL, Auto Hold, dBm, Compare
- \* Dual Display Indicate ACV and Hz, DCV(ACV) and dBm or 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 Setting Upon Power ON
- \* AC True RMS or AC + DC True RMS
- \* RS-232C Interface
- \* Option : GPIB Interface

## GDM-8246 (50000 Counts)

SPECIFICATIONS	
<b>DC VOLTAGE</b>	
Range	500mV, 5V, 50V, 500V, 1200V 5 ranges
Accuracy	$\pm$ (0.02% rdg + 4 digits)
Input Impedance	10M $\Omega$
<b>AC VOLTAGE TRUE RMS (AC OR AC + DC TRUE RMS)</b>	
Range	500mV, 5V, 50V, 500V, 1000V 5 ranges
Accuracy	500mV ~ 1000V 5 ranges : 20Hz ~ 45Hz : $\pm$ (1% rdg + 10 digits) 45Hz ~ 2kHz : $\pm$ (0.3% rdg + 30 digits) 2kHz ~ 10kHz : $\pm$ (0.4% rdg + 50 digits) 500mV ~ 500V 4 ranges : 10kHz ~ 20kHz : $\pm$ (0.5% rdg + 50 digits) 500mV ~ 50V 3 ranges : 20kHz ~ 50kHz : $\pm$ (2% rdg + 20 digits) 50kHz ~ 100kHz : $\pm$ (5% rdg + 50 digits)
Input Impedance	10M $\Omega$
<b>DC CURRENT</b>	
Range	500 $\mu$ A, 5mA, 50mA, 500mA, 2A, 20A 6 ranges
Accuracy	500 $\mu$ A ~ 500mA 4 ranges : $\pm$ (0.05% rdg + 3 digits) 2A ~ 20A 2 ranges : $\pm$ (0.2% rdg + 5 digits)
<b>AC CURRENT TRUE RMS (AC OR AC + DC TRUE RMS)</b>	
Range	500 $\mu$ A, 5mA, 50mA, 500mA, 2A, 20A 6 ranges
Accuracy	500 $\mu$ A ~ 500mA 4 ranges 45Hz ~ 2kHz : $\pm$ (0.5% rdg + 15 digits) 2kHz ~ 10kHz : $\pm$ (1% rdg + 15 digits) 10kHz ~ 20kHz : $\pm$ (2% rdg + 15 digits) 2A ~ 20A 2 ranges 45Hz ~ 2kHz : $\pm$ (0.5% rdg + 15 digits)
<b>RESISTANCE</b>	
Range	500 $\Omega$ , 5k $\Omega$ , 50k $\Omega$ , 500k $\Omega$ , 5M $\Omega$ , 20M $\Omega$ 6 ranges
Accuracy	500 $\Omega$ : $\pm$ (0.1% rdg + 4 digits) 5k $\Omega$ ~ 500k $\Omega$ 3 ranges : $\pm$ (0.1% rdg + 2 digits) 5M $\Omega$ : $\pm$ (0.2% rdg + 2 digits) 20M $\Omega$ : $\pm$ (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, 5 $\mu$ F, 50 $\mu$ F 5 ranges
Accuracy	$\pm$ (2% rdg + 4 digits)
<b>FREQUENCY</b>	
Input Level	mV range : 10Hz ~ 50kHz : >120mV 50k ~ 150kHz : >200mV
(Sine Wave)	5V ~ 50V range : 10Hz ~ 200kHz >1.2V 500V range : 20Hz ~ 1kHz >12V

## CONTINUITY BEEPER

NMRR	< 5 $\Omega$
CMRR	> 60dB
OPERATING MODE	> 90dB
OTHER FUNCTIONS	Auto Range/Manual Max, Min, dBm, REL, Hold, Compare, Set RECALL

## DISPLAY

Dual Display 0.4", 0.5", 7 segment LED display

## INTERFACE

RS-232C (Standard), GPIB (Option)

## POWER SOURCE

AC 100V/120V/220V/230V $\pm$  10%, 50/60Hz

## ACCESSORIES

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

## DIMENSIONS & WEIGHT

251(W) x 91(H) x 291(D) mm, Approx. 1.86kg

## ORDERING INFORMATION

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

## Option

**Opt.01** GPIB Interface (Factory Installed)