

# Bench Digital Multimeters

**GW INSTEK**

## GDM-8246 & GDM-8245



- 50,000 Counts.
- Dual Display.
- RS-232 Standard on GDM-8246, GPIB Optional.
- AC & AC+DC True RMS.

		GDM-8246	GDM-8245
<b>DC Voltage</b>	Range	500mV, 5V, 50V, 500V, 1200V, 5 Ranges	
	Accuracy	± (0.02% Rdg + 2 Digits)	± (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 ~ 1000V 5 Ranges: 20Hz~45Hz: ±(1% rdg+10 Digits) 45Hz~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)	500mV ~ 50V 3 Ranges: 20Hz~45Hz: ±(1% rdg+15 Digits) 45Hz~2kHz: ±(0.5% Rdg+15 Digits) 2kHz~10kHz: ±(1% Rdg+15 Digits) 10kHz~20kHz: ±(2% Rdg+30 Digits) 20kHz~50kHz: ± (5% Rdg+30 Digits) 500V, 1000V Ranges: 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 4 Ranges: ± (0.05% Rdg + 3 Digits) 2A ~ 20A 2 Ranges: ± (0.2% Rdg + 5 Digits)	500μA ~ 500mA 4 Ranges: ± (0.2% Rdg + 2 Digits) 2A ~ 20A 2 Ranges: ± (0.3% Rdg + 2 Digits)
<b>AC Current, True RMS (AC or AC + DC True RMS)</b>	Range	500μA, 5mA, 50mA, 500mA, 2A, 20A, 6 Ranges	
	Accuracy	500μA ~ 500mA, 4 Ranges 45Hz ~ 2kHz : ± (0.5 Rdg + 15 Digits), 2kHz ~ 10kHz : ± (1% Rdg + 15 Digits) 10kHz ~ 20kHz : ± (2% Rdg + 15 Digits) 2A ~ 20A, 2 Ranges: 45Hz ~ 2kHz : ± (0.5% 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>		One range used to check the forward voltage of a 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 Sensitivity (Sine)	mV Range: 10Hz ~ 50kHz, > 120mV; 50kHz ~ 150kHz, > 200mV 5V ~ 50V Range: 10Hz ~ 200kHz, > 1.2V; 500V Range: 20Hz ~ 1kHz, > 12V	
<b>Others</b>	NMRR	< 5Ω	
	CMRR	> 60dB	
	Operating Mode	> 90dB	
	Other Functions	Auto Range/Manual, Max, Min, dBm, REL, Hold, Compare, Continuity Beeper, SAVE/RECALL, (No SAVE/RECALL on GDM-8245)	
<b>Display</b>		Dual Display 0.4", 0.5", 7 Segment LED Display	
<b>Interface</b>		RS-232C (Standard), GPIB (Option)	N/A
<b>General</b>	Power Source	AC 100V / 120V 220V / 230V 10%, 50/60Hz	
	Standard Accessories	Instruction Manual x 1, Power Cord x 1, Test Lead GTL-117 x 1	
	Dimensions	251 (W) x 91 (H) x 291 (D) mm	251 (W) x 91 (H) x 291 (D) mm
	Weight	1.86kg	2.6kg

### ORDERING INFORMATION

GDM-8246-RS	50,000 Counts Dual Display, Programmable DMM, with RS-232C Interface.
GDM-8246-RS-GPIB	50,000 Counts Dual Display, Programmable DMM, with GPIB & RS-232C Interfaces.
GDM-8245	50,000 Counts Dual Display, Digital Multimeter.

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