

4 1/2 & 3 1/2 DIGITAL MULTIMETER



GDM-8145 (4 1/2 Digits)



GDM-8135 (3 1/2 Digits)



FEATURES

- * **Vast Measuring Functions** : AC/DC Voltage, AC/DC Current, Resistance and Diode Test
- * **Continuity Beeper (GDM-8135)**
- * **Large 0.5" Red LED Display**
- * **High Resolution 10 μV, 10nA and 10mΩ**
- * **All Range with Protection Circuit**
- * **0.03% DCV Accuracy (GDM-8145), 0.1% DCV Accuracy (GDM-8135)**
- * **Auto Zero Circuit**
- * **20A High Current Range**
- * **1000V High Voltage Range**
- * **AC or AC + DC True RMS (GDM-8145)**

GTL-107A Test Lead

For: GDM-8034, GDM-8135, GDM-8145



In terms of cost/performance ratio, the GDM-8145/8135 Series yield one of the best choices among the DMMs in today's market. The series are equipped with 4 1/2 (GDM-8145) or 3 1/2 (GDM-8135) digits, 0.5" LED display in a distinctive red color. Measurement items include DC Voltage/Current, AC Voltage/Current with true RMS (GDM-8145), Resistance, Diode Test, and Continuity with Beeper (GDM-8135). The true RMS AC and AC+DC response give accurate measurements for equivalent DC energy regardless of the waveform shape. Small voltage offsets are canceled by the auto-zero circuit, and protection mechanism is available for the entire measurement range. All these features provide users with robust measurement experience.

SPECIFICATIONS		
	GDM-8145	GDM-8135
DC VOLTAGE		
Range	200mV, 2V, 20V, 200V, 1000V 5 ranges.	200mV, 2V, 20V, 200V, 1000V 5 ranges
Accuracy	±(0.03% rdg + 4 digits)	±(0.1% rdg + 1 digit)
Input Impedance	10M	10M
AC VOLTAGE		
Range	200mV, 2V, 20V, 200V, 1000V 5 ranges	200mV, 2V, 20V, 200V, 1000V 5 ranges
Accuracy	200mV ~ 20V 4 ranges 20Hz ~ 45Hz ±(1%rdg + 15 digits) 45Hz ~ 2kHz ±(0.5% rdg + 15 digits) 2kHz ~ 10kHz ±(1% rdg + 15 digits) 10kHz ~ 20kHz ±(2%rdg + 30digits) 20kHz ~ 50kHz ±(5% rdg + 30 digits) 200V~1000V range : 45Hz ~ 1kHz ±(0.5%rdg + 15digits)	200mV ~ 20V 3 ranges : 40Hz ~ 1kHz ±(0.5% rdg + 1 digit) 1kHz ~ 10kHz ±(1% rdg + 1 digit) 10kHz ~ 20kHz ±(2% rdg + 1 digit) 20kHz ~ 40kHz ±(5% rdg + 1 digit) 200V range : 40Hz ~ 1kHz ±(0.5% rdg + 1 digit); 1kHz ~ 10kHz ±(1% rdg + 1 digit) 1000V range : 40Hz ~ 1kHz ±(0.5% rdg + 1 digit)
Input Impedance	10M	10M
DC CURRENT		
Range	200 μA, 2mA, 20mA, 200mA, 2000mA, 20A 6 ranges	200 μA, 2mA, 20mA, 200mA, 2A, 20A 6 ranges
Accuracy	200 μA ~ 200mA 4 ranges ±(0.2% rdg + 2 digits) 2000mA ~ 20A 2 ranges ±(0.3% rdg + 2 digits)	200 μA ~ 200mA 4 ranges : ±(0.2% rdg + 1 digit) 2A ~ 20A 2 ranges : ±(0.5% rdg + 1 digit)
AC CURRENT		
Range	200 μA, 2mA, 20mA, 200mA, 2000mA, 20 A 6 ranges	200 μA, 2mA, 20mA, 200mA, 2A, 20A 6 ranges
Accuracy	200 μA ~ 200mA 4 ranges 45Hz ~ 2kHz ±(0.5% rdg + 15 digits) 2kHz ~ 10kHz ±(1% rdg + 15 digits) 10kHz ~ 20kHz ±(2% rdg + 15 digits) 2000mA ~ 20A 2 ranges 45Hz ~ 2kHz ±(0.5% rdg + 15 digits)	200 μA ~ 200mA 4 ranges 40Hz ~ 1kHz ±(0.5% rdg + 1 digit) 1kHz ~ 10kHz ±(1% rdg + 1 digit) 10kHz ~ 20kHz ±(2% rdg + 1 digit) 2A ~ 20A 2 ranges, 40Hz ~ 2kHz ±(1% rdg + 2 digits)
RESISTANCE		
Range	200 , 2k , 20k , 200k , 2000k , 20M 6 ranges	200 , 2k, 20k, 200k , 2M , 20M 6 ranges.
Accuracy	200 : ±(0.1%rdg + 4 digits) 2k ~ 200k : ±(0.1%rdg + 2 digits) 2000k ~ 20M : ±(0.25%rdg + 2 digits)	200 ~ 2M 5ranges : ±(0.2% rdg + 1 digit) 20M range : ±(0.5% rdg + 1 digit)
DIODE TEST		
Test Current	Max. 1 mA	Max. 1 mA
Open Voltage	Max. 13V	Max. 13V
CONTINUITY BEEPER		
Description	—	Buzzer sounds if conductance < 10Ω
Test Current		Max. 1 mA
Open Voltage		Max. 13V
DISPLAY		
0.5" LED display		
POWER SOURCE		
AC 100V/120V/220V/230V ±10%, 50/60Hz		
DIMENSIONS & WEIGHT		
245(W) x 95(H) x 280(D) mm, Approx. 2kg		

ORDERING INFORMATION

GDM-8145 4 1/2 Digits True RMS Digital Multimeter
GDM-8135 3 1/2 Digits Digital Multimeter

ACCESSORIES :
 User manual x 1, Power cord x 1, Test lead GTL-107A x 1

3 1/2 DIGITAL MULTIMETER



GDM-8034 (3 1/2 Digits)

FEATURES

- * **8 Functions AC/DC Voltage, AC/DC Current, Resistance, Capacitance, Diode Test and Audible Continuity Beeper**
- * **High Voltage 1000V and 20A Current Range**
- * **0.5% Basic DCV Accuracy**
- * **LCD Display**

GTL-107A Test Lead

For: GDM-8034, GDM-8135, GDM-8145



The GDM-8034 is the most affordable and cost-effective bench-top digital multimeter available today.. A large 0.5" LCD display with 3 1/2 digits always provides a clear view of the measurement results. A series of powerful built-in functions, such as AC/DC Voltage, AC/DC Current, Resistance, Capacitance, Diode Test, and Audible Continuity Beeper, make the users' applications measurements simpler and easier. Compact profile, sufficient functionality, and excellent cost-performance make the GDM-8034 best suited for educational institutions such as schools and training centers.

SPECIFICATIONS	
DC VOLTAGE	
Range	200mV, 2V, 20V, 200V, 1000V 5 ranges
Accuracy	±(0.5% rdg + 1 digit)
Input Impedance	10M
AC VOLTAGE	
Range	200mV, 2V, 20V, 200V, 750V 5 ranges
Accuracy	40Hz ~ 500Hz ±(1% rdg + 4 digits)
Input Impedance	10M
DC CURRENT	
Range	200 μA, 2mA, 20mA, 200mA, 2A, 20A 6 ranges
Accuracy	200 μA ~ 200mA ±(0.5% rdg + 1 digit) 2A ~ 20A ±(1% rdg + 3 digits)
AC CURRENT	
Range	200 μA, 2mA, 20mA, 200mA, 2A, 20A 6 ranges
Accuracy	40Hz ~ 500Hz on all ranges 200 μA ~ 200mA ±(1% rdg + 4 digits) 2A ~ 20A ±(1.5% rdg + 2 digits)
RESISTANCE	
Range	200 , 2k, 20k, 200k , 2M , 20M 6 ranges
Accuracy	200 ~ 2M ±(0.75% rdg + 1 digit) 20M ±(1.5% rdg + 5 digits)
CAPACITANCE	
Range	2nF, 20nF, 200nF, 2 μF, 20 μF 5 ranges
Accuracy	±(2% rdg + 4 digits)
Test Freq.	300Hz ±5%
DIODE TEST	
Test Current	Max. 2.5mA
Open Voltage	Max. 3.2V
CONTINUITY BEEPER	
Description	Buzzer sounds if conductance less than 30
Test Current	Max. 2.5 mA
Open Voltage	Max. 3.2V
DISPLAY	
0.5" LCD display	
POWER SOURCE	
AC 110V/220V ±15%, 50/60Hz	
DIMENSIONS & WEIGHT	
245(W) x 95(H) x 280(D) mm, Approx. 2kg	

ORDERING INFORMATION

GDM-8034 3 1/2 Digits LCD Digital Multimeter

ACCESSORIES :

User manual x 1, Power cord x 1, Test lead GTL-107A x 1

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