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

GDM-8145 (4 1/2 Digits)

CE

GDM-8135 (3 1/2 Digits)

CE

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

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

SPECIFICATIONS

	GDM-8145	GDM-8135
DC VOLTAGE		
Range	200mV, 2V, 20V, 200V, 1000V 5ranges.	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 5ranges	200mV, 2V, 20V, 200V, 1000V 5 ranges
Accuracy	200mV ~ 200V 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) 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	200μA, 2mA, 20mA, 200mA, 2000mA, 20A 6 ranges	200μA, 2mA, 20mA, 200mA, 2A, 20A 6 ranges
Accuracy	200μA ~ 200mA 4 ranges±(0.2% rdg + 2 digits) 2000mA ~ 20A 2 ranges±(0.3% rdg + 2 digits)	200μA ~ 200mA 4 ranges : ±(0.2% rdg + 1 digit) 2A ~ 20A 2 ranges : ±(0.5% rdg + 1 digit)
AC CURRENT		
Range	200μA, 2mA, 20mA, 200mA, 2000mA, 20 A 6 ranges	200μA, 2mA, 20mA, 200mA, 2A, 20A 6 ranges
Accuracy	200μA ~ 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)	200μA ~ 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	2k ~ 200k :±(1%rdg + 2 digits) 200k ~ 2000k :±(0.25%rdg + 2 digits) 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 Open Voltage	The three ranges have enough voltage to turn on silicon junctions to check the forward resistance, but the 2k range is preferred and is marked with a larger diode symbol on the front panel of the instrument.	Max. 1 mA Max. 13V
CONTINUITY BEEPER		
Description Test Current Open Voltage		Buzzer sounds if conductance less than 10Ω Max. 1 mA 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