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 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.

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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 ~ 20V 4 ranges	200mV ~ 20V 3 ranges :
	20Hz ~ 45Hz±(1% rdg + 15 digits)	40Hz ~ 1kHz±(0.5% rdg + 1 digit)
	45Hz ~ 2kHz±(0.5% rdg + 15 digits)	1kHz ~ 10kHz±(1% rdg + 1 digit)
	2kHz ~ 10kHz±(1% rdg + 15 digits)	10kHz ~ 20kHz±(2% rdg + 1 digit)
	10kHz ~ 20kHz±(2%rdg + 30digits)	20kHz ~ 40kHz±(5% rdg + 1 digit)
	20kHz ~ 50kHz±(5% rdg + 30 digits)	200V range : 40Hz ~ 1kHz±(0.5% rdg + 1 digit);
	200V~1000V range : 45Hz ~ 1kHz± (0.5%rdg + 15digits)	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)	200μA ~ 200mA 4 ranges : ±(0.2% rdg + 1 digit)
	2000mA ~ 20A 2 ranges±(0.3% rdg + 2 digits)	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	200μA ~ 200mA 4 ranges
	45Hz ~ 2kHz±(0.5% rdg+ 15 digits)	40Hz ~ 1kHz±(0.5% rdg + 1 digit)
	2kHz ~ 10kHz±(1% rdg + 15 digits)	1kHz ~ 10kHz±(1% rdg + 1 digit)
	10kHz ~ 20kHz±(2% rdg + 15 digits)	10kHz ~ 20kHz ±(2% rdg + 1 digit)
	2000mA ~ 20A 2 ranges	2A ~ 20A 2 ranges, 40Hz ~ 2kHz±(1% rdg + 2 digits)
	45Hz ~ 2kHz±(0.5% rdg + 15 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)	200 ~ 2M 5ranges : ±(0.2% rdg + 1 digit)
	2k ~ 200k : ±(0.1%rdg + 2 digits)	20M range : ±(0.5% rdg + 1 digit)
	2000k ~ 20M : ±(0.25%rdg + 2 digits)	
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

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BASIC T & M INSTRUMENTS

GWINSTEK