

Digital Multimeter



FEATURES

- * 6 Functions AC/ DC Voltage, AC/DC Current, Resistance and Diode Test
- * Large 0.5" Red LED Display
- * High Resolution 10 μ V, 10nA and 10m Ω
- * All Range with Protection Circuit
- * 0.03% DCV Accuracy
- * Auto Zero Circuit
- * 20A High Current Range
- * 1200V High Voltage Range
- * AC or AC + DC True R.M.S.

GDM-8145 (4 1/2 Digits)

SPECIFICATIONS	
DC VOLTAGE	
Range	200mV, 2V, 20V, 200V, 1200V 5ranges.
Accuracy	$\pm(0.03\% \text{ rdg} + 4 \text{ digits})$
Input Impedance	10M Ω
AC VOLTAGE (AC or AC + DC True RMS)	
Range	200mV, 2V, 20V, 200V, 1000V 5ranges
Accuracy	200mV ~ 200V 4 ranges 20Hz ~ 45Hz $\pm(1\% \text{rdg} + 15 \text{ digits})$ 45Hz ~ 2kHz $\pm(0.5\% \text{rdg} + 15 \text{ digits})$ 2kHz ~ 10kHz $\pm(1\% \text{rdg} + 15 \text{ digits})$ 10kHz ~ 20kHz $\pm(2\% \text{rdg} + 30 \text{ digits})$ 20kHz ~ 50kHz $\pm(5\% \text{rdg} + 30 \text{ digits})$ 1000V range 45Hz ~ 1kHz $\pm(0.5\% \text{rdg} + 15 \text{ digits})$
Input Impedance	10M Ω
DC CURRENT	
Range	200 μ A, 2mA, 20mA, 200mA, 2000mA, 20A 6 ranges
Accuracy	200 μ A ~ 200mA 4 ranges $\pm(0.2\% \text{rdg} + 2 \text{ digits})$ 2000mA ~ 20A 2 ranges $\pm(0.3\% \text{rdg} + 2 \text{ digits})$
AC CURRENT	
Range	200 μ A, 2mA, 20mA, 200mA, 2000mA, 20 A 6 ranges
Accuracy	200 μ A ~ 200mA 4 ranges 45Hz ~ 2kHz $\pm(0.5\% \text{rdg} + 15 \text{ digits})$, 2kHz ~ 10kHz $\pm(1\% \text{rdg} + 15 \text{ digits})$, 10kHz ~ 20kHz $\pm(2\% \text{rdg} + 15 \text{ digits})$ 2000mA ~ 20A 2 ranges 45Hz ~ 2kHz $\pm(0.5\% \text{rdg} + 15 \text{ digits})$
RESISTANCE	
Range	200 Ω , 2k Ω , 20k Ω , 200k Ω , 2000k Ω , 20M Ω 6 ranges.
Accuracy	200 Ω range $\pm(0.1\% \text{rdg} + 4 \text{ digits})$ 2k Ω ~ 2000k Ω 4 ranges $\pm(0.1\% \text{rdg} + 2 \text{ digits})$ 20M Ω range $\pm(0.25\% \text{rdg} + 2 \text{ digits})$
DIODE TEST	
The three ranges have enough voltage to turn on silicon junctions to check the forward resistance, but the 2k Ω range is preferred and is marked with a larger diode symbol on the front panel of the instrument.	
DISPLAY	
0.5" LED Display	
POWER SOURCE	
AC 100V/120V/220V/230V $\pm 10\%$, 50/60Hz	
ACCESSORIES	
Instruction manual x 1, Power cord x 1, Test lead GTL-117A x 1	
DIMENSIONS & WEIGHT	
230(W) x 95(H) x 280(D) mm, Approx. 2kg	

ORDERING INFORMATION

GDM-8145 4 1/2 Digits True R.M.S Digital Multimeter