

# Digital Multimeter



## FEATURES :

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

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ISO-9001 & ISO-14001