

Instek True RMS Bench Digital Multimeter

Part No. 01DM8145

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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 10mO
- 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 RMS

SPECIFICATIONS

DC Voltage		
Range	200mV, 2V, 20V, 200V, 1200V 5 ranges	
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 5 ranges	
Accuracy	200mV ~ 200V 4 range	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 range $\pm(0.2\% \text{ rdg} + 2 \text{ digits})$	
	2000mA ~ 20A 2 range $\pm(0.3\% \text{ rdg} + 2 \text{ digits})$	

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AC CURRENT		
Range	200 μ A, 2mA, 20mA, 200mA, 2000mA, 20A 6 ranges	
Accuracy	200 μ A ~ 200mA 4 range	45Hz ~ 2kHz \pm (0.5% rdg + 15 digits)
		2kHz ~ 10kHz \pm (1% rdg + 15 digits)
		10kHz ~ 20kHz \pm (2% rdg + 15 digits)
	2000mA ~ 20A 2 range	45Hz ~ 2kHz \pm (0.5% rdg + 15 digits)
RESISTANCE		
Range	200 Ω , 2k Ω , 20k Ω , 200k Ω , 2000k Ω , 20M Ω 6 ranges	
Accuracy	200 Ω range \pm (0.1% rdg + 4 digits)	
	2k Ω ~ 2000k Ω 4 range \pm (0.1% rdg + 2 digits)	
	20M Ω range \pm (0.25% rdg + 2 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 \times 1, Power cord \times 1, Test lead GTL-107 \times 1	
Dimensions & Weight	230(W) \times 95(H) \times 280(D) mm, Approx. 2kg	