

Heavy Duty Digital Multimeters



3 1/2 DMM+INDUCTANCE DMM 8007

Features:

- 0.5% DC V accuracy
- 1.999 count LCD display
- Resistance to 2000M Ω
- Frequency to 20MHz
- Capacitance measurement
- Inductance measurement
- Logic test
- Transistor hFE test
- Audible continuity test
- Drop-proof to 10ft.
- Overload protection
- Meet IEC-348 and UL-1244 standard
- 2-year warranty

3 3/4 DMM+CAPACITANCE DMM 8020

Features:

- 0.5% DC V accuracy
- 3.999 count LCD display
- Resistance to 40M Ω
- Capacitance measurement
- Logic test
- Transistor hFE test
- Audible continuity test
- Drop-proof to 10ft.
- Overload protection
- Meet IEC-348 AND UL-1244 standard
- 2-year warranty

4 1/2 DMM + TRUE RMS DMM 8050

Features:

- True RMS
- 19,999 count LCD display
- 0.05% DC V accuracy
- High voltage to 1,000V DC and 750V AC, 20A DC/AC current range and 20M Ω
- Frequency measurement
- Data hold
- Logic test
- Duty cycle measurement
- Drop-proof to 10ft.
- Overload protection
- Meet IEC-348 and UL-1244 standard
- 2-year warranty

HEAVY DUTY DIGITAL MULTIMETERS

SPECIFICATIONS (23±5°C, 75% R.H.)

MODEL	DMM 8007	DMM 8020	DMM 8050
VOLTAGE			TRUE RMS reading
DC V Ranges	200mV, 2V, 20V, 200V, 1000V	400mV, 4V, 40V, 400V, 1000V	200mV, 2V, 20V, 200V, 1000V
DC V Accuracy	± (0.5% rdg + 1 dgt)	±(0.5% rdg + 1 dgt)	±(0.05% rdg + 3 dgts)
AC V Ranges	200mV, 2V, 20V, 200V, 750V	400mV, 4V, 40V, 400V, 750V	200mV, 2V, 20V, 200V, 750V
AC V Accuracy	± (1.2% rdg + 3 dgts) 750V: ± (2.0% rdg + 3 dgts)		± (1% rdg + 10 dgts) 750V: ± (2.0% rdg + 20 dgts)
Resolution	100µV, 1mV, 10mV, 100mV, 1V		10µV, 100µV, 1mV, 10mV, 100mV
Frequency response	50Hz to 500Hz		
Overload protection	1000V DC or 750V AC RMS		
Input impedance	10MΩ	20MΩ	10MΩ
CURRENT			TRUE RMS reading
DC A Range	20mA, 200mA, 20A	40mA, 400mA, 20A	200µA, 2mA, 20mA, 200mA, 20A
DC A Accuracy	± (1.0% rdg + 1 dgt) 20A:± (3.0% rdg + 3 dgts)		± (0.5% rdg + 5 dgts) 20A:± (2.0% rdg + 10 dgts)
AC A Range	20mA, 200mA, 20A	40mA, 400mA, 20A	200µA, 2mA, 20mA, 200mA, 20A
AC A Accuracy	± (1.5% rdg + 4 dgts) 20A:± (3.5% rdg + 4 dgts)		± (0.8% rdg + 10 dgts) 20A:± (2.5% rdg + 10 dgts)
Resolution	10µA, 100µA, 10mA		10nA, 100nA, 1µA, 10µA, 1mA
Frequency response	50Hz to 500Hz		50Hz to 1KHz
Overload	Fast blow ceramic fuses on all current ratings		
RESISTANCE			
Ranges	200Ω, 2KΩ, 20KΩ, 200KΩ, 2MΩ, 20MΩ, 2000MΩ.	400Ω, 4KΩ, 40KΩ, 400KΩ, 4MΩ, 40MΩ.	200Ω, 2KΩ, 20KΩ, 200KΩ, 2MΩ, 20MΩ.
Resolution	0.1Ω, 1Ω, 10Ω, 100Ω, 1KΩ, 10KΩ, 1000KΩ.	0.1Ω, 1Ω, 10Ω, 100Ω, 1KΩ, 10KΩ.	10mΩ, 0.1Ω, 1Ω, 10Ω, 100Ω, 1KΩ.
Accuracy	200Ω: ± (1.0% rdg + 4 dgts) 2KΩ-2MΩ:± (0.8% rdg + 2 dgts) 20MΩ: ± (2.0% rdg + 5 dgts) 2000MΩ: ± [(5% rdg + 10 dgts) +10d]	400Ω: ± (1.0% rdg + 4 dgts) 4KΩ-4MΩ: ± (0.75% rdg + 2 dgts) 40MΩ: ± (2.0% rdg + 5 dgts)	200Ω: ± (0.25% rdg + 10 dgts) 2KΩ-200KΩ: ± (0.15% rdg + 3 dgts) 2MΩ: ± (0.25% rdg + 10 dgts) 20MΩ: ± (1.0% rdg + 10 dgts)
Overload protection	500V DC or RMS AC		
CAPACITANCE			
Ranges	2nF, 20nF, 200nF, 2µF, 200µF.	4nF, 40nF, 400nF, 4µF, 40µF.	N/A
Resolution	1pF, 10pF, 100pF, 1nF, 100nF.	1pF, 10pF, 100pF, 1nF, 10nF.	
Accuracy	± (5.0% rdg + 10 dgts)	± (3.0% rdg + 10 dgts)	
INDUCTANCE			
Range	2mH, 20mH, 200mH, 2H, 20H.	N/A	
Resolution	1µH, 10µH, 100µH, 1mH, 10mH.		
Accuracy	± (5.0% rdg + 10 dgts)		
FREQUENCY	(Auto-ranging except DMM 8050)		
Range	2KHz-20MHz (20Hz to 20MHz)	4KHz, 40KHz, 400KHz, 4000KHz	2KHz, 20KHz, 200KHz
Accuracy	± (0.5% rdg + 3 dgts) >20Hz	± (0.1% rdg + 4 dgts)	± (0.5% rdg + 3 dgts)
Overload protection	500V DC or RMS AC		
DIODE TEST	Tested at 1mA, 3.0VDC typical.: 500VDC Overload protection		
TRANSISTOR TEST (hFE)	Ranges: 0-1000, Base Current: 10µ ADC approx. (Vce +3.0V DC)		N/A
LOGIC TEST			
Threshold	Logic Hi (2.8±0.8V), logic Lo (0.8±0.5V)		
Duty cycle	>20% and <80%		
Plus Width	25nS Minimum		
Overload protection	500VDC or AC RMS		
DUTY CYCLE			
Range	N/A		1% to 90%
Accuracy			± (2.0% rdg + 10 dgts)
Overload protection			500V DC or RMS AC
SIZE	7.5"X3.4"X1.5" (19X8.6X3.8cm)		
WEIGHT	17oz (482 g)		
POWER	Single standard 9-Volt. battery, NEDA 1604, IEC 6F22.		
ACCESSORIES	9-Volt. battery, Test leads, Instruction Manual, Rubber Holster		



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