

**Industrial Digital MultiMeter**

**MODEL 9007-A**



**Applications**

- Test various electrical circuits
- Perfect for professionals and DIY

**Features**

- 3 1/2 digit, 2000 count 1.4" backlit display
- 30 ranges including: Voltage, Current, Resistance, Capacitance & More!
- AC Voltage to 600V & DC Voltage to 600V
- AC/DC Current up to 10A
- CAT III 600V certified
- Temperature test
- Data Hold
- Frequency Test
- Temperature Test
- 3 year limited warranty



Model Number		9065	9055	9045	9007-A	
Digital MultiMeter Functions	DC Voltage	<b>0.001mV to 1000V</b> 1(60mV, 0.001mV res) ±(0.025% + 20) 3(600mV/6V/60V/600V, 0.01/0.0001/0.001V res) ±(0.025% + 5) 2(600V CAT IV, 1000V CAT III, 0.01/0.1V res) ±(0.03% + 5)	<b>0.1mV to 1000V</b> 3(400mV/4V/40V, 0.1mV/0.001mV/0.01V res) ±(1% + 4) 1(400V, 0.1V res) ±(1.5% + 4) 1(600V CAT IV, 1000V CAT III, 1V res) ±(1.5% + 4)	<b>0.1mV to 1000V</b> 4(600mV/6V/60V/600V, 0.1mV/0.001/0.01/0.1V res) ±(0.5% + 5) 1(600V CAT III, 1000V CAT II, 1V res) ±(0.8% + 5)	<b>0.1mV to 600V</b> 4(200mV/2V/20V/200V, 0.1mV/0.001/0.01/0.1V res) ±(0.5% + 5) 1(600V CAT III, 1V res) ±(0.8% + 2)	
	AC Voltage (60Hz)	<b>0.001mV to 1000V True RMS</b> 1(60mV, 0.001mV res) ±(0.06% + 60) 4(600mV/6V/60V/600V, 0.01/0.0001/0.001/0.01V res) ±(0.3% + 30) 1(1000V CAT III, 0.01V res) ±(0.6% + 30)	<b>0.1mV to 700V</b> 1(400mV, 0.1mV res) ±(1.5% + 15) 2(4/40V, 0.001/0.01V res) ±(1% + 4) 1(400V, 0.1V res) ±(1.5% + 4) 1(600V CAT IV, 700V CAT III, 1V res) ±(2% + 4)	<b>0.001V to 750V True RMS</b> 3(6/60/600V, 0.001mV/0.01mV/0.1V res) ±(0.8% + 5) 1(600V CAT III, 750V CAT II, 1V res) ±(1.2% + 5)	<b>0.001V to 600V</b> 3(2V/20V/200V, 0.001mV/0.01mV/0.1V res) ±(1% + 3) 1(600V CAT III, 1V res) ±(1.2% + 5)	
	DC Current	<b>0.01uA to 10A</b> 1(600uA, 0.01uA res) ±(0.08% + 20) 1(6000uA, 0.1uA res) ±(0.08% + 10) 1(60mA, 0.001mA res) ±(0.08% + 20) 1(600mA, 0.01mA res) ±(0.15% + 10) 1(10A, 0.001A res) ±(0.5% + 10)	<b>0.1uA to 10A</b> 2(400/4000uA, 0.1/1uA res) ±(1% + 4) 2(40/400mA, 0.01/0.1mA res) ±(1.2% + 4) 2(4/10A, 0.001/0.01A res) ±(2% + 5)	<b>0.1uA to 10A</b> 2(600/ 6000uA, 0.1/1uA res) ±(2% + 5) 2(60/ 600mA, 0.01/0.1mA res) ±(1.5% + 5) 2(6/10A, 0.001/0.01A res) ±(2% + 5)	<b>0.001uA to 10A</b> 1(2mA, 0.001uA res) ±(1% + 3) 1(200/ 600mA, 0.01/0.1mA res) ±(1.5% + 3) 1(10A, 0.01uA res) ±(2.5% + 10)	
	AC Current (60Hz)	<b>0.01uA to 10A True RMS</b> 1(600uA, 0.01uA res) ±(0.6% + 40) 1(6000uA, 0.1uA res) ±(0.6% + 20) 1(60mA, 0.001mA res) ±(0.6% + 40) 1(600mA, 0.01mA res) ±(0.6% + 20) 1(10A, 0.001A res) ±(1% + 20)	<b>0.1uA to 10A</b> 2(400/4000uA, 0.1/1uA res) ±(1.2% + 4) 2(40/400mA, 0.01/0.1mA res) ±(1.5% + 4) 2(4/10A, 0.001/0.01A res) ±(2% + 5)	<b>0.1uA to 10A True RMS</b> 2(600/ 6000uA, 0.1/1uA res) ±(2.5% + 5) 2(60/ 600mA, 0.01/0.1mA res) ±(2% + 5) 2(6/10A, 0.001/0.01A res) ±(2.5% + 5)	<b>0.001uA to 10A</b> 1(2mA, 0.001uA res) ±(1% + 3) 1(200mA, 0.1uA res) ±(1.5% + 3) 1(10A, 0.01uA res) ±(2.5% + 10)	
	Resistance (Ohms)	<b>0.01Ω to 60MΩ</b> 1(600Ω, 0.01Ω res) ±(0.05% + 10) 3(6K/60K/600KΩ, 0.0001/0.001/0.01KΩ res) ±(0.05% + 2) 1(6MΩ 0.0001MΩ res) ±(0.3% + 10) 1(60MΩ 0.001MΩ res) ±(2% + 10)	<b>0.1Ω to 40MΩ</b> 1(400Ω, 0.1Ω res) ±(1.5% + 4) 3(4/40/400KΩ, 0.001/0.01/0.1KΩ res) ±(1.5% + 3) 1(4MΩ 0.001MΩ res) ±(2% + 3) 1(40MΩ 0.01MΩ res) ±(2.5% + 3)	<b>0.1Ω to 60MΩ</b> 4(600Ω/6Ω/60Ω/600KΩ, 0.1Ω/0.001/0.01/0.1K res) ±(1% + 5) 2(6Ω/60MΩ, 0.001Ω/0.01MΩ res) ±(2% + 5)	<b>0.1Ω to 20MΩ</b> 1(200Ω, 0.1Ω res) ±(1% + 4) 1(2KΩ, 1Ω res) ±(1% + 4) 3(20KΩ/200KΩ/2MΩ/ 10Ω/100Ω/1KΩ res) ±(1.2% + 2) 1(20MΩ, 10KΩ res) ±(2% + 5)	
	Frequency	<b>0.001MHz to 60MHz</b> 1(60Hz, 0.001Hz res) ±(0.02% + 8) 6(600Hz/6KHz/60KHz/600KHz/6MHz/60MHz, 0.01Hz/0.0001kHz/0.001kHz/0.01kHz/0.0001MHz/0.001MHz res) ±(0.01% + 5)	<b>0.001Hz to 10MHz</b> 6(5Hz/50Hz/500Hz/5kHz/50kHz/500kHz, 0.001Hz/0.01Hz/0.1Hz/1Hz/10Hz/100Hz res) ±(1.2% + 3) 2(5/10MHz, 1kHz/10kHz res) ±(1.5% + 3)	<b>9.999Hz to 9.999MHz</b> 7(9.9Hz/99.9Hz/999.9Hz/9.9kHz/9.9kHz/9.999MHz, 0.001Hz/0.01Hz/0.1Hz/0.01kHz/0.01kHz/0.1kHz/0.001MHz res) ±(1% + 5)	<b>1Hz to 2000Hz</b> 1(2000Hz, 1Hz res) ±(1.5% + 5)	
	Capacitance	<b>0.001nF to 60mF</b> 1(6nF, 0.001nF res) ±(3% + 10) 1(60nF, 0.01nF res) ±(2.5% + 5) 4(600nF/6uF/60uF/600uF, 0.1nF/0.001uF/0.01uF/0.1uF res) ±(2% + 5) 1(60mF, 10uF res) ± N/A	<b>10pF to 100uF</b> 1(50nF, 0.01nF res) ±(5% + 70) 4(500nF/5uF/50uF/100uF, 0.1nF/1nF/10nF/0.1uF res) ±(4% + 5)	<b>10nF to 4000uF</b> 1(40nF, 0.01nF res) ±(5% + 10) below 10nF: unspecified) 3(400nF/4uF/40uF, 0.1nF/0.001uF/0.01uF res) ±(3% + 5) 2(400uF/4000uF, 0.1uF/1uF res) ±(20% + 20)	<b>2nF to 200uF</b> 1(2nF, 0.001nF res) ±(4% + 70) 3(20nF/200nF/2uF, 0.1nF/0.001uF/0.001uF res) ±(3% + 5) 1(200uF, 0.1uF res) ±(5% + 15)	
	Temperature (K-Type)	<b>-40° to 1832°F</b> 1(-40 ~ 104F, 0.2F res) ±(2.5% + 50) 1(104 ~ 752F, 0.2F res) ±(1.5% + 50) 1(752 ~ 1832F, 0.2F res) ±(2.5%) 1(-40 ~ 40C, 0.1C res) ±(2% + 30) 1(40 ~ 400C, 0.1C res) ±(1% + 30) 1(400 ~ 1000C, 0.1C res) ±(2.5%)	<b>-4° to 1400°F</b> 1(-4 ~ 1400F, 1F res) ±(3% + 9) 1(-20 ~ 750C, 1C res) ±(3% + 5)	<b>-58° to 752°F</b> 1(-4 ~ 1400F, 1F res) ±(3% + 9) 1(-20 ~ 750C, 1C res) ±(3% + 5)	<b>-4° to 1400°F</b> 1(-4 ~ 1400F, 1F res) ±(3% + 9) 1(-20 ~ 750C, 1C res) ±(3% + 9)	
	Continuity	✓	✓	✓	✓	
	Diode Check	✓	✓	✓	✓	
Transistor Check (hFE)	-	-	-	-		
Duty Cycle	✓	✓	✓	-		
Conductance	✓	-	-	-		
Total Ranges	53	53	44	31		
Safety	Overload Protection	mV Ranges	600V CAT IV AC/DC, 1000V CAT III AC/DC,	600V CAT IV AC/DC, 1000V CAT III DC, 700V CAT III AC	1000VDC CAT II, 750 VAC CAT II, 600 AC/DC CAT III	250V AC/DC
		Voltage Ranges (ex mV)				CAT I, II and III: 600V AC/DC
		Ω Ranges	1000V AC/DC	600V AC/DC for 15 seconds	600V AC/DC for 15 seconds	600V AC/DC
		Frequency	1000V AC/DC	600V AC/DC	600V AC/DC	600V AC/DC
		Diode Test	1000V AC/DC	600V AC/DC	600V AC/DC	600V AC/DC
		Continuity Beeper	1000V AC/DC	600V AC/DC	600V AC/DC	600V AC/DC
Fuses	mA Jack	0.8A / 1000V	500mA / 660V	800mA/600V	200mA 250V Fuse	
	A Jack	10A / 1000A	10A / 600V	10A/600V	10A 600V Fuse (fast)	
Agency Approval	CE (EMC and LVD) - EN: 61326 EN: 61010-1 - EN: 61010-02-030 IEC 1010-1 On Voltage Ranges Only. See "Overload Protection" above	CE (EMC and LVD) - EN: 61326 EN: 61010-1 - EN: 61010-02-031 IEC 1010-1 On Voltage Ranges Only. See "Overload Protection" above	CE IEC 1010-1 (EN 61010-1) On Voltage Ranges Only. See "Overload Protection" above	CE IEC 1010-1 On Voltage Ranges Only. See "Overload Protection" above		
Battery	7.4V 2200mAh Lithium battery	1 - 9 Volt	1 - 9 Volt	1 - 9 Volt		
Dimensions	8.9" x 3.9" x 2.4"	6.7" x 3" x 1.8"	7.0" x 3.7" x 1.5"	7.1" x 3.2" x 2.1"		
Weight	21.4 oz	11.2 oz	11.0 oz	14.1 oz		