

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	0.001mV to 1000V 1(60mV, 0.001mV res) $\pm(0.025\% + 20)$ 3(600mV/6V/60V, 0.01/0.0001/0.001V res) $\pm(0.025\% + 5)$ 2(600V CAT IV, 1000V CAT III, 0.01/0.1V res) $\pm(0.03\% + 5)$	0.1mV to 1000V 3(400mV/4V/40V, 0.1mV/0.001mV/0.01V res) $\pm(1\% + 4)$ 1(400V, 0.1V res) $\pm(1.5\% + 4)$ 1(600V CAT IV, 1000V CAT III, 1V res) $\pm(1.5\% + 4)$	0.1mV to 1000V 4(600mV/6V/60V/600V, 0.1mV/0.001/0.01/0.1V res) $\pm(0.5\% + 5)$ 1(600V CAT III, 1000V CAT II, 1V res) $\pm(0.8\% + 5)$	0.1mV to 600V 4(200mV/2V/20V/200V, 0.1mV/0.001/0.01/0.1V res) $\pm(0.5\% + 5)$ 1(600V CAT III, 1V res) $\pm(0.8\% + 2)$
	AC Voltage (60Hz)	0.001mV to 1000V True RMS 1(60mV, 0.001mV res) $\pm(0.06\% + 60)$ 4(600mV/6V/60V/600V, 0.01/0.0001/0.001/0.01V res) $\pm(0.3\% + 30)$ 1(1000V CAT III, 0.01V res) $\pm(0.6\% + 30)$	0.1mV to 700V 1(400mV, 0.1mV res) $\pm(1.5\% + 15)$ 2(4/40V, 0.001/0.01V res) $\pm(1\% + 4)$ 1(400V, 0.1V res) $\pm(1.5\% + 4)$ 1(600V CAT IV, 700V CAT III, 1V res) $\pm(2\% + 4)$	0.001V to 750V True RMS 3(6/60/600V, 0.001mV/0.01mV/0.1V res) $\pm(0.8\% + 5)$ 1(600V CAT III, 750V CAT II, 1V res) $\pm(1.2\% + 5)$	0.001V to 600V 3(2V/20V/200V, 0.001mV/0.01mV/0.1V res) $\pm(1\% + 3)$ 1(600V CAT III, 1V res) $\pm(1.2\% + 5)$
	DC Current	0.01uA to 10A 1(600uA, 0.01uA res) $\pm(0.08\% + 20)$ 1(6000uA, 0.1uA res) $\pm(0.08\% + 10)$ 1(60mA, 0.001mA res) $\pm(0.08\% + 20)$ 1(600mA, 0.01mA res) $\pm(0.15\% + 10)$ 1(10A, 0.001A res) $\pm(0.5\% + 10)$	0.1uA to 10A 2(400/4000uA, 0.1/1uA res) $\pm(1\% + 4)$ 2(40/400mA, 0.01/0.1mA res) $\pm(1.5\% + 4)$ 2(4/10A, 0.001/0.01A res) $\pm(2\% + 5)$	0.1uA to 10A 2(600/ 6000uA, 0.1/1uA res) $\pm(2\% + 5)$ 2(60/ 600mA, 0.01/0.1mA res) $\pm(1.5\% + 5)$ 2(6/10A, 0.001/0.01A res) $\pm(2\% + 5)$	0.001uA to 10A 1(2mA, 0.001uA res) $\pm(1\% + 3)$ 1(200mA, 0.1uA res) $\pm(1.5\% + 3)$ 1(10A, 0.01uA res) $\pm(2.5\% + 10)$
	AC Current (60Hz)	0.01uA to 10A True RMS 1(600uA, 0.01uA res) $\pm(0.6\% + 40)$ 1(6000uA, 0.1uA res) $\pm(0.6\% + 20)$ 1(60mA, 0.001mA res) $\pm(0.6\% + 40)$ 1(600mA, 0.01mA res) $\pm(0.6\% + 20)$ 1(10A, 0.001A res) $\pm(1\% + 20)$	0.1uA to 10A 2(400/4000uA, 0.1/1uA res) $\pm(1.2\% + 4)$ 2(40/400mA, 0.01/0.1mA res) $\pm(1.2\% + 4)$ 2(4/10A, 0.001/0.01A res) $\pm(2\% + 5)$	0.1uA to 10A True RMS 2(600/ 6000uA, 0.1/1uA res) $\pm(2.5\% + 5)$ 2(60/ 600mA, 0.01/0.1mA res) $\pm(2\% + 5)$ 2(6/10A, 0.001/0.01A res) $\pm(2.5\% + 5)$	0.001uA to 10A 1(2mA, 0.001uA res) $\pm(1\% + 3)$ 1(200mA, 0.1uA res) $\pm(1.5\% + 3)$ 1(10A, 0.01uA res) $\pm(2.5\% + 10)$
	Resistance (Ohms)	0.01Ω to 60MΩ 1(600Ω, 0.01Ω res) $\pm(0.05\% + 10)$ 3(6K/60K/600KΩ, 0.0001/0.001/0.01KΩ res) $\pm(0.05\% + 2)$ 1(6MΩ, 0.0001MΩ res) $\pm(0.3\% + 10)$ 1(60MΩ, 0.001MΩ res) $\pm(2\% + 10)$	0.1Ω to 40MΩ 1(400Ω, 0.1Ω res) $\pm(1.5\% + 4)$ 3(4/40/400KΩ, 0.001/0.01/0.1KΩ res) $\pm(1.5\% + 3)$ 1(4MΩ, 0.001MΩ res) $\pm(2\% + 3)$ 1(40MΩ, 0.01MΩ res) $\pm(2.5\% + 3)$	0.1Ω to 60MΩ 4(600Ω/6Ω/60Ω/600KΩ, 0.1Ω/0.001/0.01/0.1K res) $\pm(1\% + 5)$ 2(6Ω/60MΩ, 0.001Ω/0.01MΩ res) $\pm(2\% + 5)$	0.1Ω to 20MΩ 1(200Ω, 0.1Ω res) $\pm(1\% + 4)$ 1(2KΩ, 1Ω res) $\pm(1\% + 4)$ 3(20KΩ/200KΩ/2MΩ/ 10Ω/100Ω/1KΩ res) $\pm(1.2\% + 2)$ 1(20MΩ, 10KΩ res) $\pm(2\% + 5)$
	Frequency	0.001MHz to 60MHz 1(60Hz, 0.001Hz res) $\pm(0.02\% + 8)$ 6(600Hz/6KHz/60KHz/600KHz/6MHz/60MHz, 0.01Hz/0.0001kHz/0.001kHz/0.01kHz/0.0001MHz/0.001MHz res) $\pm(0.01\% + 5)$	0.001Hz to 10MHz 6(5Hz/50Hz/500Hz/5kHz/50kHz/500kHz, 0.001Hz/0.01Hz/0.1Hz/1Hz/10Hz/100Hz res) $\pm(1.2\% + 3)$ 2(5/10MHz, 1kHz/10kHz res) $\pm(1.5\% + 3)$	9.999Hz to 9.999MHz 7(9.9Hz/99.9Hz/999.9Hz/9.9kHz/9.9kHz/999.9kHz/9.9MHz, 0.001Hz/0.01Hz/0.1Hz/0.01kHz/0.01kHz/0.1kHz/0.001MHz res) $\pm(1\% + 5)$	1Hz to 2000Hz 1(2000Hz, 1Hz res) $\pm(1.5\% + 5)$
	Capacitance	0.001nF to 60mF 1(6nF, 0.001nF res) $\pm(3\% + 10)$ 1(60nF, 0.01nF res) $\pm(2.5\% + 5)$ 4(600nF/6uF/60uF/600uF, 0.1nF/0.001uF/0.01uF/0.1uF res) $\pm(2\% + 5)$ 1(60mF, 10uF res) $\pm$ N/A	10pF to 100uF 1(50nF, 0.01nF res) $\pm(5\% + 70)$ 4(500nF/5uF/50uF/100uF, 0.1nF/1nF/10nF/0.1uF res) $\pm(4\% + 5)$	10nF to 4000uF 1(40nF, 0.01nF res) $\pm(5\% + 10)$ below 10nF: unspecified 3(400nF/4uF/40uF, 0.1nF/0.001uF/0.01uF res) $\pm(3\% + 5)$ 2(400uF/4000uF, 0.1uF/1uF res) $\pm(20\% + 20)$	2nF to 200uF 1(2nF, 0.001nF res) $\pm(4\% + 70)$ 3(20nF/200nF/2uF, 0.1nF/0.001uF/0.001uF) $\pm(3\% + 5)$ 1(200uF, 0.1uF res) $\pm(5\% + 15)$
	Temperature (K-Type)	-40° to 1832°F 1(-40 ~ 104°F, 0.2°F res) $\pm(2.5\% + 50)$ 1(104 ~ 752°F, 0.2°F res) $\pm(1.5\% + 50)$ 1(752 ~ 1832°F, 0.2°F res) $\pm(2.5\%)$ 1(-40 ~ 40°C, 0.1°C res) $\pm(2\% + 30)$ 1(40 ~ 400°C, 0.1°C res) $\pm(1\% + 30)$ 1(400 ~ 1000°C, 0.1°C res) $\pm(2.5\%)$	-4° to 1400°F 1(-4 ~ 1400°F, 1°F res) $\pm(3\% + 9)$ 1(-20 ~ 750°C, 1°C res) $\pm(3\% + 5)$	-58° to 752°F 1(-4 ~ 1400°F, 1°F res) $\pm(3\% + 9)$ 1(-20 ~ 750°C, 1°C res) $\pm(3\% + 5)$	-4° to 1400°F 1(-4 ~ 1400°F, 1°F res) $\pm(3\% + 9)$ 1(-20 ~ 750°C, 1°C res) $\pm(3\% + 5)$
	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,	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
		Frequency	1000V AC/DC	600V AC/DC	600V AC/DC
		Diode Test	1000V AC/DC	600V AC/DC	600V AC/DC
		Continuity Beeper	1000V AC/DC	600V AC/DC	600V AC/DC
	Fuses	mA Jack	0.8A / 1000V	800mA/600V	200mA 250V Fuse
Physical		A Jack	10A / 1000A	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 (EMC and LVD) - EN: 61326 EN: 61010-1 - EN: 61010-02-031 IEC 1010-1 On Voltage Ranges Only. See "Overload Protection" above
	Battery		7.4V 2200mAh Lithium battery	1 - 9 Volt	1 - 9 Volt
	Dimensions		8.9" x 3.9" x 2.4"	7.0" x 3.7" x 1.5"	7.1" x 3.2" x 2.1"
	Weight		21.4 oz	11.0 oz	14.1 oz