







AM 500 Series Digital Multimeters / Specifications

			AM-500	AM-510	AM-520	AM-530	AM-560	AM-570
MULTIMETER TYPE			Residential	Com / Res	HVAC	Electrical	Adv. HVAC	Industrial
Application:								
Functions	Safety Rating	Safety	CAT III 600V	CAT III 600V	CAT III 600V CAT II 1000	CAT III 600V CAT II 1000	CAT IV 600 CAT III 1000	CAT IV 600 CAT III 1000
	Measure voltage in noisy environments	True-rms				■		■
	Electrical panels, AC outlets	AC Voltage (V)	600	600	750	750	1000	1000
	DC systems, auto/marine batteries	DC Voltage (V)	600	600	1000	1000	1000	1000
	AC Current - electrical panels, appliances	AC Current (A)	10	10	10	10	10	10
	DC Current - electronics, DC motors	DC Current (A)	10	10	10	10	10	10
	Specified resistance and continuity	Resistance (MOhms)	20	40	40	40	60	60
	Flame sensors	Microamps	■	■	■	■	■	■
	Diodes in AC to DC converters	Diode Test	■	■	■	■	■	■
	Fuses, light bulbs, wire connections	Continuity	■	■	■	■	■	■
	Household batteries	Battery test	■	■				
	Motor startup or run capacitors	Capacitance		■	■	■	■	■
	Frequency verification	Frequency		■	■	■	■	■
	Non-contact voltage test	Non-contact voltage		■	■	■	■	■
Electrical load-time on vs time off	Duty cycle		■			■	■	
Temp of air vents, fuses, transformers	Temperature inputs			1	1	2	2	
Features	Automatically selects measurement range	Autoranging	■	■	■	■	■	■
	Manually select measurement range	Manual ranging		■	■	■	■	■
	Voltage on variable frequency drives	Low pass filter					■	■
	Detect stray voltages	Low Z						■
	Dimly lit areas	Built-in flashlight		■	■	■	■	■
Display	Meter resolution	LCD Counts	2,000	4,000	4,000	4,000	6,000	6,000
	Dimly lit areas	Backlight		■	■	■	■	■
	Monitoring fast changing signals	Bar graph			■	■	■	■
	Two relative measurements on one screen	Dual display					■	■
Events	Data memory	Data hold	■	■	■	■	■	■
	Difference between two measurements	Relative reading		■	■	■	■	■
	Max/min peak measurement	Max/min hold			■	■	■	■
	Specialized signal measurements	Peak hold (crest)					■	■

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