



# AM-570 Industrial Multimeter

## AM-500 Digital Multimeter Series

The Amprobe AM-570 is the best multimeter in its class designed for professional electricians who need to maintain service or troubleshoot advanced electrical systems in the most demanding environments. Packed full of features such as true-rms, dual thermocouples for taking differential temperature measurements, a low impedance function to detect stray voltage, and a low pass filter to accurately take measurements on variable frequency drives, the Amprobe AM-570 Digital Multimeter allows for quick go-no-go checks without the need for an additional tool.

- AC/DC Voltage up to 1000V, ac/dc current, resistance, frequency, capacitance, temperature, duty cycle.
- Low Z - to detect stray voltages
- Low pass filter for variable frequency drives
- VolTect™ Non-contact voltage detection
- Audible continuity
- Diode test
- Dual reading backlit LCD display with analog bar graph
- Data hold
- Max/min memory
- Peak hold (crest)
- Relative zero mode
- Built-in flashlight
- Built-in test leads storage and "third hand holder"
- Warning against improper test leads connection
- Auto and manual ranging
- Auto power off
- Low battery warning
- Safety rated: CAT IV 600V, CAT III 1000V



## AM-570 DETAILED SPECIFICATIONS

Specifications	Range	Best Accuracy
True-rms		Yes
AC Voltage	6.000 / 60.00 / 600.0 / 1000 V	±(1.0% Rdg + 3 LSD) @ 45 Hz to 400 Hz, 0 V to 600 V
DC Voltage	600.0 mV 6.000 / 60.00 / 600.0 / 1000 V	±(0.5% Rdg + 2 LSD) @ 6 V to 600 V ranges
Resistance	600.0 Ohms 6.000 / 60.00 / 600.0 kOhms 6.000 / 60.00 MOhms	±(1.0% Rdg + 2 LSD) @ 6 kOhms to 600 kOhms ranges
AC Current	600.0 µA / 6000 µA 60.00 mA / 500.0 mA / 10.00 A	±(2.0% Rdg + 5 LSD) @ 45 Hz to 400 Hz
DC Current	600.0 µA / 6000 µA 60.00 mA / 500.0 mA / 10.00 A	±(1.5% Rdg + 3 LSD)
Frequency	60.00 / 600.0 Hz 6.000 / 60.00 / 600.0 kHz 6.000 / 60.00 MHz	±(0.1% Rdg + 3 LSD)
Duty Cycle	10.00% to 90.00%	±(1.2% Rdg + 30 LSD) @ 5Hz to 2 kHz
Capacitance	60.00 / 600.0 nF 6.000 / 60.00 / 600.0 / 6000 µF 60.00 mF	±(3.0% Rdg + 5 LSD) @ 600 nF to 60 µF ranges
Temperature	-40 °F to 1832 °F / -40 °C to 1000 °C	°F: ±(1.0% rdg + 12) @ >104 °F to 752 °F / °C: ±(1.0% rdg + 8) @ >40 °C to 400 °C
Number of temperature inputs		Dual Thermocouple

For more detailed specifications see instruction manual.

## AM-500 SERIES SELECTION GUIDE

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

## INCLUDED ACCESSORIES

Model	Batteries (Installed)	Test Leads	Temperature Probe	Temperature Adaptor	Velcro Strap	Carrying Case	User's Manual
AM-500	AAA x2	■					■
AM-510	9V (6F22) x1	■					■
AM-520	9V (6F22) x1	■	K-type probe x1		■	■	■
AM-530	9V (6F22) x1	■	K-type probe x1		■	■	■
AM-560	9V (6F22) x1	■	K-type probe x2	■	■	■	■
AM-570	9V (6F22) x1	■	K-type probe x2	■	■	■	■