



# Digital Multimeters

**CHOICE** - Part of a great value is getting exactly what you need in a tool – nothing more or less. With the Amprobe broad selection of digital multimeters, you can find the perfect match for any job. From the industrial meters safety-rated for CAT IV electrical environments, to simple pocket-sized meters, you'll find a digital multimeter that fits your needs.

# AM-500 Series Digital Multimeters

Best-in-class autoranging, digital multimeters with features for residential, commercial electrical, industrial and HVAC applications. Features include True-RMS, dual thermocouples for measuring temperature differential, low impedance to detect stray voltage, low pass filter to accurately measure variable frequency drives and a built-in flashlight.

## AM-510 Commercial/Residential Multimeter Best Seller

Designed for light commercial and advanced residential applications, the AM-510 enables you to re-wire an electrical panel, install light fixtures, troubleshoot home appliances, electrical sockets and automotive electrical issues.

- Voltage up to 600 V AC/DC, AC/DC current and resistance
- Frequency, capacitance and duty cycle
- VolTect™ non-contact voltage detection
- Audible continuity, diode test, backlit LCD display, data hold and relative zero mode

## AM-530 True-RMS Electrical Contractor Multimeter

Quickly troubleshoot voltage, perform repairs, run new wiring, check continuity on electrical connections, identify blown fuses and check motors or transformers. The AM-530 is the perfect multimeter for the professional electrician.

- Voltage up to 600 V AC/DC, AC/DC current, resistance, frequency, capacitance, and temperature
- True-RMS
- VolTect™ non-contact voltage detection
- Audible continuity, diode test, backlit LCD display, data hold and relative zero mode

## AM-570 Industrial Multimeter

For professional electricians who need to maintain service or troubleshoot advanced electrical systems, the AM-570 is packed full of features such as True-RMS, dual thermocouples, a low impedance mode and low pass filter to accurately take measurements on variable frequency drives.

- AC/DC Voltage up to 1000 V, AC/DC current, resistance, frequency, capacitance, temperature and duty cycle
- Low Z – to detect stray voltages
- Low pass filter for variable frequency drives
- VolTect™ non-contact voltage detection
- Audible continuity, diode test, backlit LCD display, data hold and relative zero mode

**Best Seller**



AM-570



AM-570

Series Selection Guide			AM-510	AM-530	AM-570
	Application	Feature	Res / Com	Electrical	Industrial
Functions	Measure voltage in noisy environments	True-RMS		•	•
	Electrical panels, AC outlets	AC Voltage (V)	600 V	600 V	1000 V
	DC systems, auto/marine batteries	DC Voltage (V)	600 V	600 V	1000 V
	AC Current - electrical panels, appliances	AC Current (A)	10 A	10 A	10 A
	DC Current - electronics, DC motors	DC Current (A)	10 A	10 A	10 A
	Specified resistance and continuity	Resistance (MOhms)	40 MΩ	40 MΩ	60 MΩ
	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 detection	VolTect™	•	•	•
	Electrical load-time on vs. time off	Duty cycle	•	•	•
Features	Temp of air vents, fuses, transformers	Temperature inputs	–	1	2
	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	•	•	•
	Meter resolution	LCD counts	4,000	4,000	6,000
Display	Dimly lit areas	Backlight	•	•	•
	Monitoring fast changing signals	Bar graph	–	•	•
	Two relative measurements on one screen	Dual display	–	–	•
	Data memory	Data hold	•	•	•
	Difference between two measurements	Relative reading	•	•	•
	Max/min peak measurement	Max/min hold	–	•	•
Events	Specialized signal measurements	Peak hold (crest)	–	–	•

### INCLUDED ACCESSORIES:

Test leads (pair), batteries (installed), user manual  
**(AM-530, AM-570 only):** carrying case with velcro strap  
 K-type thermocouple (AM-570 includes 2 K-type thermocouples),  
**(AM-570 only):** temperature adaptor



AM-510,  
AM-530



AM-570



### Recommended Accessories

**DL248D**  
Deluxe Test Leads  
Kit (See Page 52)



**TPK-62**  
Temperature Adapter and  
2 Thermocouples for AM-570  
(Replacement part)



**TPK-59**  
Thermocouple (for AM-530)  
(See Page 52)





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- VolTect™ non-contact voltage detection
- Audible continuity, diode test, backlit LCD display, data hold and relative zero mode

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- Low Z – to detect stray voltages
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AM-570



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	Frequency verification	Frequency	•	•	•
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	Voltage on variable frequency drives	Low pass filter	–	–	•
	Detect stray voltages	Low Z	–	–	•
	Dimly lit areas	Built-in flashlight	•	•	•
	Meter resolution	LCD counts	4,000	4,000	6,000
	Dimly lit areas	Backlight	•	•	•
Display	Monitoring fast changing signals	Bar graph	–	•	•
	Two relative measurements on one screen	Dual display	–	–	•
	Data memory	Data hold	•	•	•
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