



True RMS 1000V Digital Multimeter w/ Temperature

KANE515

1000V Multimeter for HVAC/R Professionals



600V
CAT III

1000V
CAT II

Functions

- True RMS
- 1000V AC/DC
- 10A AC/DC
- Resistance 40MΩ
- Diode test
- Audible continuity
- Capacitance 9999μF
- Temperature
-49° to 1112°F
(-45° to 600°C)
- Microamps
- Milliamps

Features

- Auto ranging
- Auto power off
- Min/Max
- Hold
- 1 ms Fast response Min/Max
- 6' drop protection
- IP42 ingress protection
- Low battery indicator
- Rubber boot w/ kick stand
- Test lead holders
- High resolution backlit display
- Fused test lead inputs
- 2-Year limited warranty



Includes

- Manual
- Batteries (AA) 2
- Standard test leads (ATL55) without caps
- Alligator clips
- Pouch
- Thermocouple
- Fast Fuse: 600mA/1000V and 11A/1000V

Applications

Current measurements
Measure electrical loads
Motor or line current
Measure circuit breakers
Circuit continuity or specified resistance
Control voltage or system board voltage checks
Diode test malfunction/ unbroken paths
Ambient or surface temperatures

DESIGNED BY
MADE BY
KANE



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Specifications

AC VOLTS

RANGES	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
6 mV TO 1000V	45Hz to 500Hz	0.1 mV to 1V	1000V
	500Hz to 1kHz		
	±(1.0% +3 dgts) ±(2.0% +3 dgts)		

Minimum sensitivity: 0.5V AC (auto selection mode)

ACmV

RANGES	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
6mV	±(1.0% +3 dgts) ±(2.0% +3 dgts)	0.1mV	1000V

DC VOLTS

RANGES	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
6 mV to 1000V	±(0.5% +3 dgts)	0.1 mV to 1V	1000V

Minimum sensitivity: 0.5V DC (auto selection mode)

DCmA

RANGES	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
6 mV	±(0.5% +3 dgts)	0.1 mV	1000V

AC AMPS

RANGES	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
6A to 10A	±(1.5% +5 dgts)	0.001A to 0.01A	11A/1000V Fast fuse

Minimum sensitivity: 50µA AC (auto selection mode only)
Frequency bandwidth: 500Hz

ACmA

RANGES	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
600µA to 400mA	±(1.2% +5 dgts)	0.1µA to 0.1mA	600mA /1000V Fast Fuse

ACµA

RANGES	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
600µA to 400mA	±(1.2% +5 dgts)	0.1µA to 0.1mA	600mA /1000V Fast Fuse

DC AMPS

RANGES	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
6A to 10A	±(1.2% +5 dgts)	0.001A to 0.01A	11A/1000V Fast fuse

Minimum sensitivity: 50µA DC (auto selection mode only)

DCmA

RANGES	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
600µA to 400mA	±(1.0% +3 dgts)	0.1µA to 0.1mA	600mA /1000V Fast Fuse

DCµA

RANGES	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
600µA to 400mA	±(1.0% +3 dgts)	0.1µA to 0.1mA	600mA /1000V Fast Fuse

RESISTANCE

RANGES	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
600Ω to 6MΩ	±(0.8% +5 dgts)	0.1Ω to 0.001MΩ	600V
40MΩ	±(1.5% +5 dgts)	0.01MΩ	

CAPACITANCE

RANGES	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
10nF to 9999µF	±(3.0% +5 dgts)	0.01nF to 1µF	600V

	OPEN CIRCUIT VOLTAGE	AUDIBLE THRESHOLD	OVERLOAD PROTECTION
CONTINUITY	Approx.: <1.0V	Approx.: 40Ω	600V
DIODE	Approx.: <3.0V DC		

TEMPERATURE

	RANGES	ACCURACY	RESOLUTION	OVERLOAD PROTECTION
°F	-328° to 999°F	±(1.5% + 3.6°F)	0.1°F	600V
	1000° to 2462°F	±(1.5% + 3.0°F)	1°F	
°C	-200° to 999°C	±(1.5% + 2.0°C)	0.1°C	
	1000° to 1350°C	±(1.5% + 2.0°C)	1°C	