



AC 600A True RMS HVAC/R Clamp-On Meter

KANE479

CATIV True RMS Clamp-On Meter



Functions

- True RMS
- 600A AC
- 750V AC/600V DC
- Resistance 60MΩ
- Capacitance 2000μF
- Temperature -35°C to 400°C (-31°F to 752°F)
- DC micro amps 2000μA
- Frequency/Duty cycle
- Diode test
- Non-contact voltage detection
- Audible continuity

Features

- Data hold
- Min/Max (25 ms fast capture)
- Manual ranging option
- Backlight
- Worklight
- Audible voltage indicator
- Low battery indicator
- Auto power off
- Test lead storage
- Over molded grip
- Magnetic mount
- Battery compartment latches
- 2-Year limited warranty

Applications

Motor or line current
Control voltage or system board voltage checks
Circuit continuity or specified resistance
Motor run or start faults
Ambient or surface temperatures
Flame safeguard
Variable speed drives and supply power

Includes

- Test leads w/ alligator clips
- CATIV 600V/CATII 1000V
- Thermocouple temperature probe
- Zippered pouch
- Batteries 2 (AAA)
- Manual (17211)





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Specifications

AC Amps - Jaw Input

Range	Resolution	Accuracy	Overload Protection
60A	0.01A	±(2.0% +8 dgts)	600V RMS
600A	0.1A		

True RMS Frequency range: Sine 50Hz to 400Hz
Frequency width: 60Hz to 400Hz: 5% to 95%
Frequency width: 400Hz to 4kHz: 15% to 85%

AC Volts (45Hz to 400Hz)

Range	Resolution	Accuracy	Overload Protection
600mV	0.1mV	±(1.0% +3 dgts)	1000V RMS
6V	1mV		
60V	10mV		
600V	100mV		
750V	1.0V		

True RMS Frequency range: Sine 50Hz to 400Hz, Sine 50Hz to 400Hz
Bandwidth: Sine = 0.5% error at 1.5kHz (max)
Bandwidth: Square = 0.5% error at 0.1kHz (max)
Bandwidth: Triangle = 0.5% error at 1.2kHz (max)

DC Volts

Range	Resolution	Accuracy	Overload Protection
600mV	0.1mV	±(0.5% +4 dgts)	1000V RMS
6V	1mV		
60V	10mV		
600V	100mV		

DC Low Amps

Range	Resolution	Accuracy	Overload Protection
600µA	0.1µA	±(1.2% +3 dgts)	2000µA/600V RMS
2000µA	1.0µA		

Resistance

Range	Resolution	Accuracy	Overload Protection
600Ω	0.1Ω	±(0.8% +3 dgts)	600V RMS
6kΩ	1Ω		
60kΩ	10Ω		
600kΩ	100Ω		
6MΩ	0.001MΩ	±(1.2% +3 dgts)	
60MΩ	0.01MΩ		

Frequency

Range	Resolution	Accuracy	Overload Protection
99.99Hz	0.01Hz	±(0.1% per+3 dgts)	600V RMS
999.9Hz	0.1Hz		
9.999kHz	0.001kHz		

Duty Cycle

Range	Resolution	Accuracy	Overload Protection
0.5% to 95% 60Hz to 400Hz	0.1%	±(0.2% per kHz +2.0% +2 dgts)	600V RMS
15% to 85% 400Hz to 2kHz			

Sensitivity > 6Vpp RMS

Diode Test

Range	Open Circuit V	Test Current	Overload Protection
4.0V	<3.0V DC	1.30mA	600V RMS

Capacitance

Range	Resolution	Accuracy	Overload Protection
60nF	0.01nF	±(3.0% +5 dgts)	600V RMS
600nF	0.1nF		
6.000µF	0.001µF		
60.00µF	0.01µF		
600.0µF	0.1µF		
2000µF	1µF		

Continuity

Open Circuit V	Response Time	Overload Protection
<1.0V	<50ms	1000V

Temperature

Range	Resolution	Accuracy	Overload Protection
14° to 752°F	0.1°F	±(1.5% +3.6°F)	600V RMS
-10° to 400°C	0.1°C	±(1.5% +2.0°C)	

Stated accuracy does not account for thermocouple accuracy
Sensitivity >2Vpp RMS

Non-Contact Voltage

On Voltage
Approx. 25V AC