

600A True-RMS Dual Display HVAC/R Clamp Meter w/ Temperature & Capacitance



Functions

- 600A AC
- 1000V DC
- 750V AC
- 2000 DC μ A
- 2000 AC μ A
- 60M Ω Resistance
- Capacitance: 6000 μ F
- Temperature: -328° to 2462°F
- Frequency/Duty Cycle
- Audible Continuity
- Diode Test
- Non-Contact Voltage Detection
- LRA Inrush
- Low Z (impedance)

Features

- TRMS
- Dual Display
- Backlight
- Min/Max/Hold
- Test Lead Storage
- High-voltage alert
- Easy access battery cover latches
- Raised molding
- Auto and manual ranging
- Auto Off
- Low battery indicator
- 1-Year limited warranty

Application

- Measure capacitance, voltage, circuit continuity, resistance, temperature via K-Type thermocouples and diode malfunctions. Check system boards and live wires.

Includes

- Test Leads (ATL55)
- Alligator Clips (AAC3)
- Temperature Probes 2 (ATT29)
- Zippered Pouch Batteries 2 (AAA)
- Manual



DESIGNED BY
MADE BY
Uei

Safety Rated: CATIV 300V / CATIII 600V
Certified by ETL to IEC 61010-1, 3rd edition

Specifications

AC Amps Measurement - Jaw input

Range	Resolution	Accuracy	Overload Protection
60.00A	0.01A	±2.0% + 8dgts	600V RMS
600.0A	0.1A		

45Hz to 400Hz True RMS
Minimum Current for Clamp Measurement: 0.3A

DC Microamps Measurement -Test lead input

Range	Resolution	Accuracy	Overload Protection
600.0µA	0.1µA	±1.2% + 3dgts	600V RMS
2000µA	1µA		

AC Microamps Measurement -Test lead input

Range	Resolution	Accuracy	Overload Protection
600.0µA	0.1µA	±2.0% + 5dgts	600V RMS
2000µA	1µA	±1.5% + 5dgts	

45Hz to 400Hz True RMS

DC Volts Measurement

Range	Resolution	Accuracy	Overload Protection
600.0mV	0.1mV	±0.5% + 4dgts	1000V RMS
6.000V	0.001V		
60.00V	0.01V		
600.0V	0.1V		
1000V	1V	±0.8% + 10dgts	

AC Volts Measurement

Range	Resolution	Accuracy	Overload Protection
600.0mV	0.1mV	±2.0% + 5dgts	750V RMS
6.000V	0.001V		
60.00V	0.01V		
600.0V	0.1V		
750V	1V		

45Hz to 400Hz True RMS

Ohms Measurement

Range	Resolution	Accuracy	Overload Protection
600.0Ω	0.1Ω	±1.0% + 4dgts	600V RMS
6.000kΩ	0.001kΩ		
60.00kΩ	0.01kΩ		
600.0kΩ	0.1kΩ		
6.000MΩ	0.001MΩ		
60.00MΩ	0.01MΩ	±2.0% + 4dgts	

Diode Test

Range	Open Circuit Voltage	Test Current (Typical)	Overload Protection
6.0V	< 3.0V DC	0.25mA	600V RMS

Capacitance Measurement

Range	Resolution	Accuracy	Overload Protection
60.00nF	0.01nF	3.5% + 6dgts	600V RMS
600.0nF	0.1nF		
6.000µF	0.001µF		
60.00µF	0.01µF		
600.0µF	0.1µF		
6000µF	1µF		

Temperature Measurement

Range	Resolution	Accuracy	Overload Protection
-328°F to 999°F (-200°C to 999°C)	0.1°F (0.1°C)	±(1.0% + 3.6°F) ±(1.0% + 2.0°C)	30V RMS
1000°F to 2462°F (1000°C to 1350°C)	1°F (1°C)	±(1.0% + 3°F) ±(1.0% + 2°C)	

Sensor: "K" Type Thermocouple, sensor accuracy not included

Frequency Measurement - Test lead input

Range	Resolution	Accuracy	Overload Protection
99.99Hz	0.01Hz	0.1% + 4dgts	1000V RMS
999.9Hz	0.1Hz		
9.999kHz	0.001kHz		
99.99kHz	0.01kHz		

Minimum Frequency: 0.5Hz, DC V offset should be zero
Sensitivity: > 10% of each AC volt range except 4V (>20%) range only

Duty(%) Cycle Measurement

Range	Accuracy	Overload Protection
1.0 to 99.0%	±(0.2% per kHz + 0.1% + 5 dgts)	1000V RMS

Audible Continuity Measurement

Open circuit voltage < 0.64V	Overload Protection
Threshold Approx : < 40Ω	600V RMS

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