

# 600A True-RMS Dual Display Clamp Meter w/ DC Amps & Differential Temperature



## Functions

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

## Features

- TRMS
- Backlit Dual Display and Worklight
- Min/Max/Avg/Hold
- Peak Hold
- Auto Volts & Amp selection
- Built-in Magnet w/ hanging strap
- Test Lead Storage
- Visible high-voltage alert
- Easy access battery cover latches
- Overmolded grip
- Auto and Manual ranging
- Input Jack Lock
- Auto calibration
- Auto Power Off
- Low Battery Indicator
- 2-Year limited warranty

## Application

- Circuits in molex plugs, and diode malfunctions. Measure capacitance, voltage, microamps, circuit continuity, resistance, and temperature via K-Type thermocouples
- Flame sensing
- Check system boards and live wires

## Includes

- Silicone Test Leads (ATL58)
- Back Probes (APB3)
- Alligator Clips (AAC3)
- Temperature Probes 2 (ATT29)
- Zippered Pouch
- Batteries 4 (AAA)
- Manual



DESIGNED BY  
MADE BY  
**Uei**

Safety Rated: CATIV 600V / CATIII 1000V  
Certified to IEC 61010-1, 3rd edition

## Specifications

### AC Amps Measurement - Jaw Input

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

45 to 400Hz TRMS  
Minimum Current for Camp Measurement 0.3A

### DC Amps Measurement - Jaw Input

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

Minimum Current for Camp Measurement 0.2A

### AC Microamps Measurement- Test Lead input

Range	Resolution	Accuracy	Overload Protection
600µA	0.1µA	±1.5% +3 dpts	600V RMS
2000µA	1µA		

45 to 400Hz TRMS

### DC Microamps Measurement- Test Lead input

Range	Resolution	Accuracy	Overload Protection
600µA	0.1µA	±1.5% +2 dpts	600V RMS
2000µA	1µA		

### AC Volts Measurement

Range	Resolution	Accuracy	Overload Protection
600.0mV	0.1mV	±1.0% +3 dpts	1000V RMS
6.000V	0.001V		
60.00V	0.01V		
600.0V	0.1V		
750V	1V		

45 to 400Hz TRMS

### DC Volts Measurement

Range	Resolution	Accuracy	Overload Protection
600.0mV	0.1mV	±0.5% +4 dpts	1000V RMS
6.000V	0.001V		
60.00V	0.01V		
600.0V	0.1V		
1000V	1V	±0.8% +5 dpts	

### Ohms Measurement

Range	Resolution	Accuracy	Overload Protection
600.0Ω	0.1Ω	±0.8 +3 dpts	600V RMS
6.000kΩ	0.001kΩ		
60.00kΩ	0.01kΩ		
600.0kΩ	0.1kΩ		
6.000MΩ	0.001MΩ	±1.2% +3 dpts	
60.00MΩ	0.01MΩ		

### Capacitance Measurement

Range	Resolution	Accuracy	Overload Protection
10.00nF	0.01nF	3.0% +5 dpts	600V RMS
100.0nF	0.1nF		
1.000µF	0.001µF		
10.00µF	0.01µF		
100.0µF	0.1µF		
2000µF	1µF		

**WARNING** to avoid damaging the meter or equipment under test, safely discharge Capacitors before measuring capacitance. Large value capacitors should be discharged through appropriate resistance load. Use the DC Voltage to confirm capacitor discharge.

### Diode Test Measurement

Range	Resolution	Accuracy	Overload Protection
3.0V	<3.2V DC	0.25mA	600V RMS

### Temperature Measurement

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

### Frequency Measurement - Test lead input

Range	Resolution	Accuracy	Overload Protection
99.99Hz	0.01Hz	±0.1% +3 dpts	1000V RMS
999.9Hz	0.1Hz		
9.999kHz	0.001kHz		
99.99kHz	0.01kHz		

### Duty Cycle

Range	Accuracy	Overload Protection
1.0to 99.0%	±(2.0% per kHz +0.1% +5 dpts)	1000V RMS

### Audible Continuity Measurement

Open Circuit Voltage <1.0V	Overload Protection
Threshold <40Ω	600V RMS

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