



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



Functions

- 600A AC/DC
- 1000V DC
- 750V AC
- 2000 μ A AC/DC
- 60M Ω Resistance
- Capacitance: 6000 μ 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% +8dgts | 600V RMS |
| 600.0A | 0.1A | ±2.0% +8dgts | |

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% +8dgts | 600V RMS |
| 600.0A | 0.1A | ±2.0% +8dgts | |

Minimum Current for Camp Measurement 0.2A

AC Microamps Measurement- Test Lead input

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

AC Volts Measurement

| Range | Resolution | Accuracy | Overload Protection |
|---------|------------|---------------|---------------------|
| 600.0mV | 0.1mV | ±1.0% +3 dgts | 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 dgts | 1000V RMS |
| 6.000V | 0.001V | | |
| 60.00V | 0.01V | | |
| 600.0V | 0.1V | | |
| 1000V | 1V | ±0.8% +5 dgts | |

Ohms Measurement

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

Capacitance Measurement

| Range | Resolution | Accuracy | Overload Protection |
|---------|------------|--------------|---------------------|
| 10.00nF | 0.01nF | 3.0% +5 dgts | 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 dgts | 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 dgts) | 1000V RMS |

Audible Continuity Measurement

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

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

Downloads



Manual



Data Sheet



0 53533 50914 4
Made in KOREA