



Need Preventative Motor Maintenance Testing In Your Clamp Meter?



— BACKED BY —
UEI
QUALITY

2
YEAR
WARRANTY



Functions

- **Power Factor**
- **Active Power (W)**
- **Apparent Power (VA)**
- **Reactive Power (VAR)**
- 3-Phase Motor Rotation Indication
- Motor Unbalanced Test
- Low Pass Filter
- 1000V AC/DC
- 600A AC/DC
- 2000μA DC
- 60MΩ Resistance
- Capacitance 9999μF
- Diode/Continuity
- Temperature: -342° to 2462°F
- Frequency/Duty Cycle
- LRA Inrush
- Low Z
- NCV Detection

UPGRADED

Features

- Min/Max/Avg
- Hold
- Visible high-voltage alert
- Auto Volts & Amp selection
- Backlit Dual Display and Worklight
- Built-in Magnet w/ hanging strap
- Auto/Manual ranging
- Input Jack Lock
- Battery compartment latches
- Test Lead Storage
- Over molded grip
- Auto calibration
- Auto Power Off
- Low Battery Indicator



Application

- Easily identify if a system's component is operating at peak efficiency or beginning to degrade.
- Test 3-Phase motor rotation, unbalanced load, mini-splits, circuits in Molex plugs, and diode malfunctions.
- Measures capacitance, voltage, microamps, circuit continuity, resistance, and temperature via K-Type thermocouples.
- Flame sensing. Check system boards and live wires.



Includes

- Free App (Android™ and iOS®)
- Silicone Test Leads (ATL58)
- Back Probe Leads (ABP3)
- Alligator Clips (AAC3)
- 2 Thermocouples (ATT29)
- Batteries 4 (AAA)
- Soft Case (AC560)
- Manual



Specifications

DC Amps Measurement - Jaw input

Range	Resolution	Accuracy	Overload Protection
60.00A	0.01A	±2.0% + 5dgt	600V RMS
600.0A	0.1A	±1.8% + 5dgt	

Minimum Current for Clamp Measurement: 0.2A

AC Amps Measurement - Jaw input

Range	Resolution	Accuracy	Overload Protection
60.00A	0.01A	±2.0% + 5dgt	600V RMS
600.0A	0.1A	±1.8% + 5dgt	

45Hz to 400Hz True RMS

Minimum Current for Clamp Measurement: 0.3A

DC Low Amps Measurement - Test lead input

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

DC Volts Measurement

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

AC Volts Measurement

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

45Hz to 400Hz True RMS

Power Factor

Range	Resolution	Accuracy	Overload Protection
-0.3, 1.0, 0.3	0.001	2.5% + 8 dgt	1000V RMS

Active Power (W)

Range	Resolution	Accuracy	Overload Protection
3600W	1W	2.5% + 10 digits	1000V RMS
36.00KW	0.01 KW		
360.0KW	0.1KW		
600.0KW	0.1KW		

Apparent Power (VA)

Range	Resolution	Accuracy	Overload Protection
3600VA	1VA	2.5% + 10 digits	1000V RMS
36.00KVA	0.01 KVA		
360.0KVA	0.1KVA		
600.0KVA	0.1KVA		

Reactive Power (VAR)

Range	Resolution	Accuracy	Overload Protection
3600VAR	1VAR	2.5% + 10 digits	1000V RMS
36.00KVAR	0.01 KVAR		
360.0KVAR	0.1KVAR		
600.0KVAR	0.1KVAR		

Ohms Measurement

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

Diode Test

Range	Open Circuit Voltage	Test Current (Typical)	Overload Protection
3.1V	< 3.2V DC	0.25mA	600V RMS

Capacitance Measurement

Range	Resolution	Accuracy	Overload Protection
10.00nF	0.01nF	2.5% + 5dgt	600V RMS
100.0nF	0.1nF		
1.000uF	0.001uF		
10.00uF	0.01uF		
100.0uF	0.1uF	3.0% + 5dgt	
9999uF	1uF		

Temperature Measurement

Range	Resolution	Accuracy	Overload Protection
-328° to 999°F	0.1°F	±(1.0% + 3.6°F)	30V RMS
-200° to 999°C	0.1°C	±(1.0% + 2.0°C)	
1000° to 2462°F	1°F	±(1.0% + 3°F)	
1000° to 1350°C	1°C	±(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% + 3dgt	1000V RMS
999.9Hz	0.1Hz		
9.999kHz	0.001kHz		
99.99kHz	0.01kHz		

Sensitivity: 1.8Vrms

Frequency Measurement - Jaw input

Range	Resolution	Accuracy	Overload Protection
999.9Hz	0.1Hz	0.5% + 5dgt	600V RMS
1999Hz	1Hz		

Duty(%) Cycle Measurement

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

Audible Continuity Measurement

Open circuit voltage < 1.00V	Overload Protection
Threshold Approx : < 40Ω	600V RMS