



# ***Need Preventative Motor Maintenance Testing In Your Clamp Meter?***



## **Functions**

- 3-Phase Motor Rotation
- Motor Unbalanced Test
- Low Pass Filter
- 1000V AC/DC
- 600A AC/DC
- 2000μA
- 60MΩ Resistance
- Capacitance 9999μF
- Diode/Continuity
- Temperature: -342° to 2462°F
- Frequency/Duty Cycle
- LRA Inrush
- Low Z
- NCV Detection

## **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**

- 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)
- Pouch (AC319)
- Manual



## Specifications

### DC Amps Measurement - Jaw input

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

Minimum Current for Clamp Measurement: 0.2A

### AC Amps Measurement - Jaw input

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

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% + 3dgts	600V RMS
2000uA	1uA		

### AC Low Amps Measurement -Test lead input

Range	Resolution	Accuracy	Overload Protection
600.0uA	0.1uA	±1.5% + 3dgts	600V RMS
2000uA	1uA		

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% + 5dgts	

### AC Volts Measurement

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

45Hz to 400Hz True RMS

### Ohms Measurement

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

### 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% + 5dgts	600V RMS
100.0nF	0.1nF		
1.000uF	0.001uF		
10.00uF	0.01uF		
100.0uF	0.1uF	3.0% + 5dgts	
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% + 3dgts	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% + 5dgts	600V RMS
1999Hz	1Hz		

### 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 < 1.00V	Overload Protection
Threshold Approx: < 40Ω	600V RMS

