



# Generation Two Phoenix True RMS Clamp-On Meter



## Functions

- True RMS
- Capacitance 4000 $\mu$ F
- AC/DC Current 2000 $\mu$ A
- AC Current (Clamp) 400A
- Non-contact voltage 24 to 600V AC
- Volts 750V AC/1000V DC
- Resistance 40M $\Omega$
- Frequency/ Duty cycle
- Continuity
- Diode test
- Min/Max
- Temperature range: (K-Type) -22° to 752°F

## Features

- Dual display
- Detachable clamp head
- Input jack lock
- Worklight
- Low battery display lock
- High contrast backlit display
- Magnetic mount
- User temperature calibration
- Test lead storage
- Test lead holder on clamp head
- Auto power off
- Compatible with common industry accessory heads
- 3-Year limited warranty



## Applications

Average-responding units like the PHOENIX: PRIME and PRO, are widely used and work well for linear electrical loads. However, when the loads are nonlinear, like those of an adjustable-frequency drive, or semiconductors, they require the accuracy of a True RMS meter like the PHOENIX: PRO+ to correctly measure the distorted sign-waves. In these situations a True RMS meter will provide a correct reading on the distorted wave-form where an average-responding meter may result in error readings up to 40%.





### Includes

- Test leads (ATL59)
- K-Type temperature probe (ATT29)
- Batteries 2 (AAA)
- Manual
- Zippered pouch

## Specifications

### AC Amps Measurement - Jaw Input (45Hz to 400Hz)

Range	Resolution	Accuracy	Overload Protection
40A	0.01A	±2.9% +15	400A
400A	0.1A	±1.9%v +8	

\*DL389 45Hz to 400Hz True RMS (Crest factor <3:1)

### DC Low Amps Measurement (test lead input)

Range	Resolution	Accuracy	Overload Protection
400µA	0.01µA	±1.2% +3	2000µA / 600V
2000µA	0.1µA		

### AC Low Amps Measurement (test lead input)

Range	Resolution	Accuracy	Overload Protection
400µA	0.01µA	±2.0% +5	2000µA / 600V
2000µA	0.1µA	±1.5% +5	

\*DL389 45Hz to 400Hz True RMS (Crest factor <3:1)

### DC Volts Measurement

Range	Resolution	Accuracy	Overload Protection
400mV	0.1mV	±0.5% +4	600VRMS
4V	1mV		
40V	10mV		
400V	100mV		
1000V	1V	±0.8% +10	

### AC Volts Measurement

Range	Resolution	Accuracy	Overload Protection
4V	1mV	±0.75% +3	750VRMS
40V	10mV		
400V	100mV		
750V	1V		

\*DL389 45Hz to 400Hz True RMS (Crest factor <3:1)

### Resistance Measurement

Range	Resolution	Accuracy	Overload Protection
400Ω	100mΩ	±1.0% +4	600V
4kΩ	1Ω		
40kΩ	10Ω		
400kΩ	100Ω		
4MΩ	1kΩ		
40MΩ	10kΩ	±2.0% +4	

### Capacitance Measurement

Range	Resolution	Accuracy	Overload Protection
40nF	0.01nF	±3.5% +6	600V
400nF	0.1nF		
4µF	0.001µF		
40µF	0.01µF		
400µF	0.1µF		
4000µF	1µF		

### Temperature Measurement

Range	Resolution	Accuracy	Overload Protection
-22° to 14°F (-30° to -10°C)	0.1°F (0.1°C)	±5.4°F (±3.0°C)	30V
15° to 752°F (-9° to 400°C)	0.1°F(0.1°C)	±1.0% +3.6°F (±1.0%+2.0°C)	

### Frequency Measurement

Range	Resolution	Accuracy	Overload Protection
9.999Hz	0.001Hz	±0.1% +4	600V
99.99Hz	0.01Hz		
999.9Hz	0.1Hz		
9.999kHz	1Hz		
99.99kHz	10Hz		

### Duty (%) Cycle Measurement

Range	Accuracy	Overload Protection
01. to 99.90%	±(0.2% per kHz +0.1%) +5	600V

0.5Hz to 100kHz (pulswidth > 2µ sec)

### Continuity Measurement

Open Circuit voltage <0.44V	Overload Protection
Threshold Approximately <50Ω	600V

### Diode Test

Range	Open Circuit Voltage	Test Current (typical)	Overload Protection
2.0V	< 2.4V DC	0.25mA	600V

## Downloads



Manual



Data Sheet

H26-494



Made in KOREA