



# DL389KIT

## True RMS Clamp-On Meter Kit

# ALL YOU NEED FOR HVAC/R APPLICATIONS

Featuring The New  
**WORKLIGHT**

Featuring The New  
**DETACHABLE HEAD**

## DL389

### G2 Phoenix PRO+ DL389

#### Functions

- 4000 $\mu$ F Capacitance
- 2000 $\mu$ A AC/DC
- Non-Contact Voltage 24~600V AC
- 750V AC/1000V DC
- 400A AC
- MIN/MAX
- -22° ~ 752°F Temperature (K type)
- 40M $\Omega$  Resistance/Continuity
- Frequency/Duty Cycle
- Diode

#### Features

- True RMS
- Data Hold
- Dual Display
- Detachable Clamp Head
- Input Jack Lock
- Worklight
- Low Battery Display Lock
- EasyView High Contrast Backlight Display
- Magnetic Mount
- User Temperature Calibration
- Test Lead Storage
- Test Lead Holder on Clamp Head
- Auto Off
- Compatible with common Industry Accessories Heads
- Three Year Limited Warranty



## CH3

### G2 "The Hook" CH3

- Measures 100A AC
- Non-Contact Voltage in tip
- Worklight
- Patented Virtual Closed Core Accuracy
- Three year limited warranty

# DL389KIT • True RMS Clamp-On Meter Kit

The PRO+ offers contractors better features, functions and safety making it the most complete clamp meter available with True-RMS precision. Don't spend money on a True-RMS meter until you compare it to the PRO+ and ensure it provides all the functionality your job requires.

## DL389 Specifications

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

Range	Resolution	Accuracy	Overload Protection
40A	0.01A	±2.9% +15 dgts	600V
400A	0.1A	±1.9% +8 dgts	

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

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

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

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

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

### DC Volts Measurement

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

### AC Volts Measurement (45Hz to 400Hz)

Range	Resolution	Accuracy	Overload Protection
4V	1mV	±2.0% +5 dgts	600V
40V	10mV		
400V	100mV		
750V	1V		

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

### Ohms Measurement

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

\*Hook does not measure True-RMS when used with the PRO+

(DL389)

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### Diode Test

Range	Open Circuit Voltage	Test Current (typical)	Overload Protection
2.0V	< 3.0V DC	0.25mA	600V

### Capacitance Measurement

Range	Resolution	Accuracy	Overload Protection
40nF	0.01nF	±3.5% +6 dgts	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 dgts	600V
99.99Hz	0.01Hz		
999.9Hz	0.1Hz		
9.999kHz	1Hz		
99.99kHz	10Hz		

Minimum frequency: 0.5Hz, DC V offset should be zero

Sensitivity: > 1.0V rms

### Duty (%) Cycle Measurement

Range	Accuracy	Overload Protection
01. to 99.9%	±(0.2% per kHz +0.1%) +5 count	600V

0.5Hz to 100kHz (pulswidth > 2µ sec)

### Continuity Measurement

Open Circuit voltage <2.7V	Overload Protection
Threshold Approximately <20Ω	600V



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