



**Models 512 & 514**  
 Jaw Opening: 1.575" (40mm)  
 Conductor Size: one 750kcmil cable  
 or two 350kcmil cables

## Models 512 & 514

Full ranges and compliance to international safety and quality standards ensure a professional and reliable tool



### SPECIFICATIONS

MODELS	512 TRMS	514 TRMS
<b>AC Current (Auto-Ranging)</b>	0.05 to 1000Arms	0.05 to 1000Arms
Resolution	0.01A, 0.1A and 1A	0.01A, 0.1A and 1A
Accuracy	50 to 60Hz ±1.9% of Reading ±5cts 60 to 500Hz ±1.9% of Reading ±5cts	±1.9% of Reading ±5cts ±2.5% of Reading ±5cts
<b>AC Voltage (Auto-Ranging)</b>	0.5 to 750Vrms	0.5 to 750Vrms
Resolution	0.1V and 1V	0.1V and 1Vrms
Accuracy	60 to 500Hz ±1.2% of Reading ±5cts	±1.5% of Reading ±5cts
Input Impedance	10MΩ	10MΩ
<b>DC Current (Auto-Ranging)</b>	–	1A to 1000A
Resolution	–	0.01A, 0.1A and 1A
Accuracy	–	±2.5% of Reading ±10cts
<b>DC Voltage (Auto-Ranging)</b>	0.2 to 1000V	0.2 to 1000V
Resolution	0.1V and 1V	0.1V and 1Vrms
Accuracy	±0.75% of Reading ±2cts	±1% of Reading ±2cts
Input Impedance	10MΩ	10MΩ
<b>Resistance</b>	0.2 to 4000Ω	0.2 to 4000Ω
Accuracy	±1% of Reading ±2cts	±1% of Reading ±2cts
Max Test Voltage	3Vdc	3Vdc
<b>Diode Test</b>	0.6mA	1.7mA
Open Circuit Voltage	3Vdc	3Vdc
<b>Continuity</b>	<40Ω	<40Ω
Max Test Voltage	3Vdc	3Vdc
<b>Frequency (Auto-Ranging)</b>		
<b>CURRENT INPUT</b>		
Range	4kHz 10kHz	1Hz Resolution – 10Hz Resolution
Accuracy	20Hz to 10kHz	±0.1% of Reading ±1ct
Min Input Signal	4kHz 10kHz	2Arms – 5Arms
<b>VOLTAGE INPUT</b>		
Range	4kHz 10kHz	1Hz Resolution 10Hz Resolution 10Hz Resolution
Accuracy	10Hz to 10kHz	±0.1% of Reading ±1ct
Min Input Signal	4kHz 10kHz	5Vrms 5Vrms 10Vrms
<b>Power Source</b>	9V Alkaline battery (included)	
<b>ENVIRONMENTAL</b>		
<b>Operating Temperature</b>	32° to 104°F (0° to 40°C) < 80% RH, non-condensing	*-14° to 122°F (-25° to 50°C), 80% RH, non-condensing

### FEATURES

- Standard size, full function clamp-on meter
- 1000AAC or 1000AC/DC current measurements
- 750VAC or 1000VDC volt measurements
- TRMS measurements
- Resistance measurements to 4000Ω
- Continuity with beeper below 40Ω
- Frequency measurements from V and A
- Diode test
- 1ms peak function for fast capture of signals
- Hold function to “freeze” readings
- Push-button for easy ADC zeroing
- Large, easy-to-read, 4000-count LCD display
- 42-segment analog bargraph
- Includes test leads, soft carrying pouch and batteries

\*Note: If Model 514 is to be used below 32°F (0°C), we suggest that the battery be replaced to ensure proper results.



### PRODUCT INCLUDES

Soft carrying case, set of two test leads, 9V battery and user manual.

CATALOG NO.	DESCRIPTION
2117.68	Clamp-On Meter Model 512 (TRMS, 1000AAC, 750VAC/1000VDC, Ohms, Continuity, Hz)
2117.70	Clamp-On Meter Model 514 (AC/DC, TRMS, 1000AAC/DC, 750VAC/1000VDC, Ohms, Continuity, Hz)



The Right Source For Your Test & Measurement Needs

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