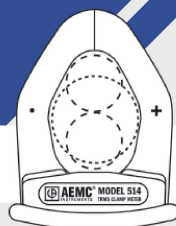


CLAMP-ON METERS

500 SERIES

MODELS 512 & 514

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



MODELS 512 & 514

Jaw Opening: 1.575" (40mm)
Conductor Size: one 750kcmil cable or two 350kcmil cables



SPECIFICATIONS

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

PRODUCT INCLUDES

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



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

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)