

# CLAMP-ON METERS

## 500 SERIES

### 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	
Resolution	0.01A, 0.1A and 1A	
<b>AC Voltage (Auto-Ranging)</b>	0.5 to 750Vrms	
Resolution	0.1V and 1Vrms	
<b>Input Impedance</b>	10MΩ	
<b>DC Current (Auto-Ranging)</b>	–	1A to 1000A
Resolution	–	0.01A, 0.1A and 1A
<b>DC Voltage (Auto-Ranging)</b>	0.2 to 1000V	
Resolution	0.1V and 1V	
<b>Input Impedance</b>	10MΩ	
<b>Resistance</b>	0.2 to 4000Ω	
Max Test Voltage	3Vdc	3Vdc
<b>Diode Test</b>	0.6mA	1.7mA
Open Circuit Voltage	3Vdc	
<b>Continuity</b>	<40Ω	
Max Test Voltage	3Vdc	
<b>Frequency (Auto-Ranging)</b>		
<b>CURRENT INPUT Range</b>	4kHz 10kHz	1Hz Resolution 10Hz Resolution
<b>Min Input Signal</b>	4kHz 10kHz	2Arms 5Arms
<b>VOLTAGE INPUT Range</b>	4kHz 10kHz	1Hz Resolution 10Hz Resolution
<b>Min Input Signal</b>	4kHz 10kHz	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

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

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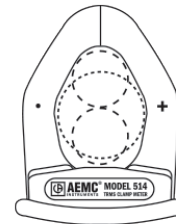
### PRODUCT INCLUDES

Soft carrying case, set of (2) color-coded (red/black) test leads with probe tips, 9V battery and a user manual.



512

514



### 512 & 514

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

### FEATURES

- Standard size, full function clamp-on meter
- 1000Aac or 1000Aac/dc current measurements
- Measures up to 750Vac and 1000Vdc
- 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 A/dc zeroing (Model 514)
- Large, easy-to-read, 4000-count LCD display
- 42-segment analog bargraph
- Includes test leads, soft carrying pouch and batteries

CATALOG NO.	DESCRIPTION
2117.68	Clamp-on Meter Model 512 (TRMS, 1000Aac, 750Vac/1000Vdc, Hz, Ohms, Continuity)
2117.70	Clamp-on Meter Model 514 (AC/DC, TRMS, 1000Aac/dc, 750Vac/1000Vdc, Hz, Ohms, Continuity)

# CLAMP-ON METERS

## SELECTION GUIDE

Models	Catalog Number	Type	AC Current	AC Voltage	DC Current	DC Voltage	Resistance (Ω)	Continuity	Frequency (Hz)		Jaw Size	Dimensions
									Current	Voltage		
203	2139.12	AC/DC TRMS	.15 to 600A	.15 to 1000V	0 to 900A	0 to 1000V	0Ω to 60kΩ	<40Ω	5Hz to 3kHz	5Hz to 20kHz	1.34" (34mm)	8.7 x 3.1 x 1.65"
205	2139.40	AC/DC TRMS	600A	1000V	900A	1000V	60kΩ	<40Ω	3kHz	20kHz	1.34" (34mm)	8.7 x 3.1 x 1.65"
403	2139.21	AC/DC TRMS	1000A	1000V	1500A	1000V	100kΩ	<40Ω	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
405	2139.50	AC/DC TRMS	1000A	1000V	1500A	1000V	100kΩ	<40Ω	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
407	2139.51	AC/DC TRMS	1000A	1000V	1500A	1000V	100kΩ	<40Ω	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
603	2139.31	AC/DC TRMS	2000A	1000V	3000A	1000V	100kΩ	<40Ω	1kHz	20kHz	2.36" (60mm)	11.65 x 4.37 x 1.61"
605	2139.60	AC/DC TRMS	2000A	1000V	3000A	1000V	100kΩ	<40Ω	1kHz	20kHz	2.36" (60mm)	11.65 x 4.37 x 1.61"
607	2139.61	AC/DC TRMS	2000A	1000V	3000A	1000V	100kΩ	<40Ω	1kHz	20kHz	2.36" (60mm)	11.65 x 4.37 x 1.61"
503	2117.22	AC/DC	0.05 to 400A	0.5 to 600V	0.10 to 400A	0.2 to 600V	400Ω	<40Ω	-	-	1.1" (28mm)	7.60 x 1.97 x 1.1"
505	2139.82	AC/DC TRMS	400A	600V	400A	600V	600Ω	<35Ω	400Hz	400Hz	1.18" (30mm)	7.83 x 2.95 x 1.42"
512	2117.68	AC TRMS	0.05 to 1000A	0.5 to 750V	-	0.2 to 1000V	4000Ω	<40Ω	20Hz to 10kHz	10Hz to 10kHz	1.58" (40mm)	9.53 x 2.60 x 1.42"
514	2117.70	AC/DC TRMS	0.05 to 1000A	0.5 to 750V	1 to 1000A	0.2 to 1000V	4000Ω	<40Ω	20Hz to 10kHz	10Hz to 10kHz	1.58" (40mm)	9.53 x 2.60 x 1.42"
566*	2139.83	AC TRMS	1μA to 100A	0.01 to 600V	-	0.01 to 600V	0.1Ω to 600kΩ	<45Ω	48 to 500Hz	48 to 500Hz	.91" (23mm)	8.27 x 3.0 x 1.32"
CM605	7000.02	AC/DC	1mA to 100A	600Vrms	1mA to 100A	600V	0 to 9999Ω	Buzzer <100Ω ± 25Ω	50 to 500Hz	40 to 500Hz	0.60" (15mm)	7.95 x 2.76 x 1.33"

\*Model 566 can be found in the Leakage Current Meters & Probes on Page 83

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