

# CLAMP-ON METERS

## 500 SERIES (CONTINUED)

### MODEL 514

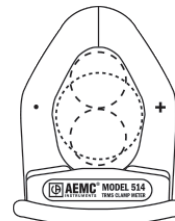
Full ranges and compliance to international safety and quality standards ensure a professional and reliable tool

### SPECIFICATIONS

MODELS	514 TRMS	
<b>AC Current (Auto-Ranging)</b>	(0.05 to 1000) Arms	
Resolution	(0.01, 0.1 and 1) A	
<b>AC Voltage (Auto-Ranging)</b>	(0.5 to 750) Vrms	
Resolution	0.1 V and 1 Vrms	
<b>Input Impedance</b>	10 M $\Omega$	
<b>DC Current (Auto-Ranging)</b>	(1 to 1000) A	
Resolution	0.01 A, 0.1 A and 1 A	
<b>DC Voltage (Auto-Ranging)</b>	(0.2 to 1000) V	
Resolution	0.1 V and 1 V	
<b>Input Impedance</b>	10 M $\Omega$	
<b>Resistance</b>	(0.2 to 4000) $\Omega$	
Max Test Voltage	3 Vdc	
<b>Diode Test</b>	1.7 mA	
Open Circuit Voltage	3 Vdc	
<b>Continuity</b>	< 40 $\Omega$	
Max Test Voltage	3 Vdc	
<b>Frequency (Auto-Ranging)</b>		
<b>CURRENT INPUT Range</b>	4 kHz	1 Hz Resolution
	10 kHz	10 Hz Resolution
<b>Min Input Signal</b>	4 kHz	2 Arms
	10 kHz	5 Arms
<b>VOLTAGE INPUT Range</b>	4 kHz	1 Hz Resolution
	10 kHz	10 Hz Resolution
<b>Min Input Signal</b>	4 kHz	5 Vrms
	10 kHz	10 Vrms
<b>Power Supply</b>	9 V Alkaline battery (included)	
<b>ENVIRONMENTAL</b>		
<b>Operating Temperature</b>	(*-14 to 122) °F (-25 to 50) °C, 80 % RH, non-condensing	

Consult factory for NIST Calibration prices

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



Jaw Opening: 1.575 in (40 mm)  
Conductor Size: (1) 750 kcmil cable or  
(2) 350 kcmil cables



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### FEATURES

- Standard size, full function clamp-on meter
- 1000 Aac or 1000 Aac/dc current measurements
- Measures up to 750 Vac and 1000 Vdc
- TRMS measurements
- Resistance measurements to 4000  $\Omega$
- Continuity with beeper below 40  $\Omega$
- Frequency measurements from V and A
- Diode test
- 1 ms peak function for fast capture of signals
- Hold function to freeze readings
- Push-button for easy A/Dc 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 (2) color-coded (red/black) test leads with probe tips, 9 V battery and user manual.



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



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Technical Assistance (800) 343-1391

www.aemc.com

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# CLAMP-ON METERS

## SELECTION GUIDE

Models	Catalog Number	Type	AC Current	AC Voltage	DC Current	DC Voltage	Resistance ( $\Omega$ )	Continuity	Frequency (Hz)		Jaw Size	Dimensions
									Current	Voltage		
205	2139.40	AC/DC TRMS	600 A	1000 V	900 A	1000 V	60 k $\Omega$	< 40 $\Omega$	3 kHz	20 kHz	1.34 in (34 mm)	(8.7 x 3.1 x 1.65) in
403	2139.21	AC/DC TRMS	1000 A	1000 V	1500 A	1000 V	100 k $\Omega$	< 40 $\Omega$	2 kHz	20 kHz	1.89 in (48 mm)	(10.7 x 3.6 x 1.6) in
405	2139.50	AC/DC TRMS	1000 A	1000 V	1500 A	1000 V	100 k $\Omega$	< 40 $\Omega$	2 kHz	20 kHz	1.89 in (48 mm)	(10.7 x 3.6 x 1.6) in
407	2139.51	AC/DC TRMS	1000 A	1000 V	1500 A	1000 V	100 k $\Omega$	< 40 $\Omega$	2 kHz	20 kHz	1.89 in (48 mm)	(10.7 x 3.6 x 1.6) in
603	2139.31	AC/DC TRMS	2000 A	1000 V	3000 A	1000 V	100 k $\Omega$	< 40 $\Omega$	1 kHz	20 kHz	2.36 in (60 mm)	(11.65 x 4.37 x 1.61) in
607	2139.61	AC/DC TRMS	2000 A	1000 V	3000 A	1000 V	100 k $\Omega$	< 40 $\Omega$	1 kHz	20 kHz	2.36 in (60 mm)	(11.65 x 4.37 x 1.61) in
505	2139.82	AC/DC TRMS	400 A	600 V	400 A	600 V	600 $\Omega$	< 35 $\Omega$	400 Hz	400 Hz	1.18 in (30 mm)	(7.83 x 2.95 x 1.42) in
514	2117.70	AC/DC TRMS	1000 A	750 V	1000 A	1000 V	4000 $\Omega$	< 40 $\Omega$	10 kHz	10 kHz	1.58 in (40 mm)	(9.53 x 2.60 x 1.42) in
566*	2139.83	AC TRMS	100 A	600 V	–	600 V	600 k $\Omega$	< 45 $\Omega$	500 Hz	500 Hz	0.91 in (23 mm)	(8.27 x 3.0 x 1.32) in
CM605	7000.02	AC/DC	100 A	600 V	100 A	600 V	9999 $\Omega$	< 100 $\Omega$	500 Hz	500 Hz	0.60 in (15 mm)	(7.95 x 2.76 x 1.33) in

\*Model 566 can be found in the Leakage Current Meters & Probes on Page 80  
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