

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
AC Current (Auto-Ranging)	0.05 to 1000Arms	
Resolution	0.01A, 0.1A and 1A	
AC Voltage (Auto-Ranging)	0.5 to 750Vrms	
Resolution	0.1V and 1Vrms	
Input Impedance	10MΩ	
DC Current (Auto-Ranging)	–	1A to 1000A
Resolution	–	0.01A, 0.1A and 1A
DC Voltage (Auto-Ranging)	0.2 to 1000V	
Resolution	0.1V and 1V	
Input Impedance	10MΩ	
Resistance	0.2 to 4000Ω	
Max Test Voltage	3Vdc	3Vdc
Diode Test	0.6mA	1.7mA
Open Circuit Voltage	3Vdc	
Continuity	<40Ω	
Max Test Voltage	3Vdc	
Frequency (Auto-Ranging)		
CURRENT INPUT Range	4kHz 10kHz	1Hz Resolution 10Hz Resolution
Min Input Signal	4kHz 10kHz	2Arms 5Arms
VOLTAGE INPUT Range	4kHz 10kHz	1Hz Resolution 10Hz Resolution
Min Input Signal	4kHz 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

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

Consult factory for NIST Calibration prices

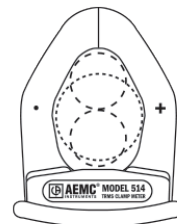
PRODUCT INCLUDES

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

Consult factory for NIST Calibration prices