

# CLAMP-ON METERS

## 500 SERIES

### MODEL 503 & 505

*Small compact size clamp-on meter that fits comfortably in a tool bag*

### SPECIFICATIONS

MODEL	503	505
<b>ELECTRICAL</b>		
AC Current (Auto-Ranging)	0.05 to 400A	
Resolution	0.01A and 0.1A	
AC Voltage (Auto-Ranging)	0.5 to 600V	
Resolution	0.1V and 1V	
Input Impedance	10M $\Omega$	
DC Current (Auto-Ranging)	0.10 to 400A	
Resolution	0.01A and 0.1A	
DC Voltage (Auto-Ranging)	0.2 to 600V	
Resolution	0.1V and 1V	
Input Impedance	10M $\Omega$	
Resistance	0.2 to 400 $\Omega$	0.2 to 600 $\Omega$
Max Test Voltage	1.5Vdc	
Continuity	<40 $\Omega$	<35 $\Omega$
Max Test Vol tage	1.5Vdc	
Zero Mode / Delta Function	Yes	
Peak Function	No	Yes
<b>MECHANICAL</b>		
Dimensions	7.6 x 1.97 x 1.1" (193 x 50 x 28mm)	7.83 x 2.95 x 1.42" (199 x 75 x 36mm)
Weight	8.11 oz. (230g) with batteries	8.57 oz. (243g) with batteries
Jaw Opening	1.1" (28mm)	1.18" (30mm)
Power Source	2 x AAA, IEC LR3 (included)	
Battery Life	80 hours	40 hours
<b>ENVIRONMENTAL</b>		
Operating Temperature	+32° to 104°F (0° to +40°C)	
Storage Temperature	+14° to 140°F (-10° to +60°C)	
Operating Humidity	80% up to 104°F (40°C)	<70%
Pollution Degree	2	
<b>SAFETY</b>		
Safety Standards	EN/IEC 61010 to 300V CAT III, 600V CAT II	EN/IEC 61010 to 600V CAT III

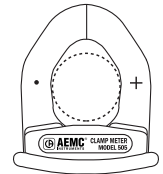
### PRODUCT INCLUDES

Soft carrying case, set of (2) test leads, (2) 1.5V AAA batteries and a user manual.



503

505



503

Jaw Opening:  
1.1" (28mm)  
Conductor Size:  
one 500kcmil cable

505

Jaw Opening:  
1.18" (30mm)  
Conductor Size:  
500kcmil cable

### FEATURES

- Compact size - fits into your pocket
- 400Aac or 400Aac/dc current measurements
- 600VAc/dc volts measurements
- Resistance measurements to 400 $\Omega$  / 600 $\Omega$
- Continuity with beeper below 40 $\Omega$  / 35 $\Omega$
- Hold function to "freeze" readings
- Push-button for easy A<sub>dc</sub> zeroing
- Large, easy-to-read 4000 / 6000-cts LCD Display
- 42-segment analog bar graph
- Includes test leads and soft carrying pouch

#### CATALOG NO.

#### DESCRIPTION

2117.22

Clamp-On Meter Model 503 (AC/DC, 400Aac/dc, 600VAc/dc, Ohms, Continuity)

2139.82

Clamp-On Meter Model 505 (TRMS, AC/DC, 400Aac/dc, 600VAc/dc, Ohms, Continuity) RATED 600V CAT III



# 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		
203	2139.12	AC/DC TRMS	.15 to 600A	.15 to 1000V	0 to 900A	0 to 1000V	0 $\Omega$ to 60k $\Omega$	<40 $\Omega$	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	60k $\Omega$	<40 $\Omega$	3kHz	20kHz	1.34" (34mm)	8.7 x 3.1 x 1.65"
403	2139.21	AC/DC TRMS	1000A	1000V	1500A	1000V	100k $\Omega$	<40 $\Omega$	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
405	2139.50	AC/DC TRMS	1000A	1000V	1500A	1000V	100k $\Omega$	<40 $\Omega$	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
407	2139.51	AC/DC TRMS	1000A	1000V	1500A	1000V	100k $\Omega$	<40 $\Omega$	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
603	2139.31	AC/DC TRMS	2000A	1000V	3000A	1000V	100k $\Omega$	<40 $\Omega$	1kHz	20kHz	2.36" (60mm)	11.65 x 4.37 x 1.61"
605	2139.60	AC/DC TRMS	2000A	1000V	3000A	1000V	100k $\Omega$	<40 $\Omega$	1kHz	20kHz	2.36" (60mm)	11.65 x 4.37 x 1.61"
607	2139.61	AC/DC TRMS	2000A	1000V	3000A	1000V	100k $\Omega$	<40 $\Omega$	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	400 $\Omega$	<40 $\Omega$	–	–	1.1" (28mm)	7.60 x 1.97 x 1.1"
505	2139.82	AC/DC TRMS	400A	600V	400A	600V	600 $\Omega$	<35 $\Omega$	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	4000 $\Omega$	<40 $\Omega$	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	4000 $\Omega$	<40 $\Omega$	20Hz to 10kHz	10Hz to 10kHz	1.58" (40mm)	9.53 x 2.60 x 1.42"
566*	2139.83	AC TRMS	1 $\mu$ A to 100A	0.01 to 600V	–	0.01 to 600V	0.1 $\Omega$ to 600k $\Omega$	<45 $\Omega$	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 9999 $\Omega$	Buzzer <100 $\Omega$ $\pm$ 25 $\Omega$	50 to 500Hz	40 to 500Hz	0.60" (15mm)	7.95 x 2.76 x 1.33"
670	2117.49	AC TRMS	0 to 1000A	0 to 1000V	–	1000 to 1400V	1000 to 10,000 $\Omega$	<35 $\Omega$	1000Hz	10,000Hz	1.65" (42mm)	10.71 x 3.15 x 1.69"
675	2117.50	AC/DC TRMS	0 to 1000A	0 to 1000V	0 to 1400A	0 to 1400V	0 to 9999 $\Omega$	<35 $\Omega$	1000Hz	10,000Hz	1.58" (40mm)	10.12 x 3.15 x 1.69"

\*Model 566 can be found in the Leakage Current Meters & Probes on Page 84