

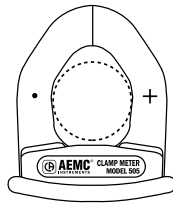
# CLAMP-ON METERS

## 500 SERIES

600 V  
CAT III

### MODEL 505

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



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

### FEATURES

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

MODEL	505
<b>ELECTRICAL</b>	
AC Current (Auto-Ranging)	(0.05 to 400) A
Resolution	(0.01 and 0.1) A
AC Voltage (Auto-Ranging)	(0.5 to 600) V
Resolution	(0.1 and 1) V
Input Impedance	10 MΩ
DC Current (Auto-Ranging)	(0.10 to 400) A
Resolution	(0.01 and 0.1) A
DC Voltage (Auto-Ranging)	(0.2 to 600) V
Resolution	(0.1 and 1) V
Input Impedance	10 MΩ
Resistance	(0.2 to 600) Ω
Max Test Voltage	1.5 V <sub>DC</sub>
Continuity	< 35 Ω
Max Test Voltage	1.5 V <sub>DC</sub>
Zero Mode / Delta Function	Yes
Peak + / - Function	Yes / No
<b>MECHANICAL</b>	
Dimensions	(7.83 x 2.95 x 1.42) in (199 x 75 x 36) mm
Weight	8.57 oz. (243 g) with batteries
Jaw Opening	1.18 in (30 mm)
Power Supply	(2) AAA, IEC LR3 (included)
Battery Life	40 h
<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	< 70 %
Pollution Degree	2
<b>SAFETY</b>	
Safety Standards	EN / IEC 61010 to 600 V CAT III

Consult factory for NIST Calibration prices.

### PRODUCT INCLUDES

Soft carrying case, set of (2) color-coded (red/black) test leads with probe tips, (2) 1.5 V AAA batteries and user manual.



#### CAT. # DESCRIPTION

2139.82 Clamp-On Meter Model 505 (TRMS, AC/DC, 400 A<sub>AC/DC</sub>, 600 V<sub>AC/DC</sub>, Ohms, Continuity) RATED 600 V CAT III

# CLAMP-ON METERS

## SELECTION GUIDE

Models	CAT. #	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
404	2139.22	AC / DC TRMS	1000 A	1200 V	1500 A	1700 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
606	2139.62	AC / DC TRMS	2000 A	1200 V	3000 A	1700 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 $\Omega$	2 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		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		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		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		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.  
Consult factory for NIST Calibration prices.