

# CLAMP-ON METERS

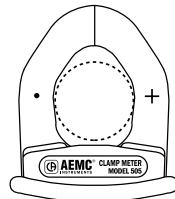
## 500 SERIES

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



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### 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  $\Omega$
- Continuity with beeper below 35  $\Omega$
- 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                                        |
|----------------------------|--------------------------------------------|
| ELECTRICAL                 |                                            |
| 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 M $\Omega$                              |
| 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 M $\Omega$                              |
| Resistance                 | (0.2 to 600) $\Omega$                      |
| Max Test Voltage           | 1.5 V <sub>DC</sub>                        |
| Continuity                 | < 35 $\Omega$                              |
| Max Test Voltage           | 1.5 V <sub>DC</sub>                        |
| Zero Mode / Delta Function | Yes                                        |
| Peak + / - Function        | Yes / No                                   |
| MECHANICAL                 |                                            |
| 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                                       |
| ENVIRONMENTAL              |                                            |
| 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                                          |
| SAFETY                     |                                            |
| 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 |
|---------|--------------------------------------------------------------------------------------------------------------------------------|



Vol. 24 Rev.00 06/2024

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# 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 |                 |                          |
| <b>205</b>   | 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    |
| <b>404</b>   | 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    |
| <b>407</b>   | 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    |
| <b>606</b>   | 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 |
| <b>607</b>   | 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 |
| <b>505</b>   | 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  |
| <b>514</b>   | 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  |
| <b>566*</b>  | 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   |
| <b>CM605</b> | 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.