



## Clamp-on Meter Model 407

### Mid-Size, Professional Functionality

Cat. #2139.51

**TRMS, True InRush<sup>®</sup>, 1000V<sub>AC/DC</sub>, 1000A<sub>AC</sub> /1500A<sub>DC</sub>, Data Recording**

Measures AC, DC and AC+DC voltage, current, and power. Also measures frequency, resistance, continuity, True InRush<sup>®</sup>, and harmonics. Performs diode checks. Performs data recording. Safety rated at 1000V CAT IV. IP54 rated to withstand dust and water spray.

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|                               |   |
|-------------------------------|---|
| <b>Voltage Range:</b>         | 1000 Vrms AC/DC / AC+DC Autoranging                         |
| <b>Resolution Max:</b>        | 0.01 V  |
| <b>Current Range:</b>         | 1000 Arms AC, 1500 ADC                                      |
| <b>Resolution Max:</b>        | 0.01 A  |
| <b>Accuracy V Typical:</b>    | 1% ± 3 cts  |
| <b>Accuracy A Typical:</b>    | 1% ± 3 cts  |
| <b>InRush:</b>                | (10 to 1000) A <sub>AC</sub> , (10 to 1500) A <sub>DC</sub> |
| <b>Power Measurement Max:</b> | 1 MW AC, 3 MW DC  |
| <b>Harmonics:</b>             | Up to 25 <sup>th</sup>                                      |
| <b>THD:</b>                   | Yes, %f and %r  |
| <b>Continuity:</b>            | Selectable from (0 to 999.9) Ω                              |
| <b>Resistance:</b>            | 100 kΩ  |
| <b>Frequency:</b>             | 20 kHz in V, 2 kHz in A                                     |
| <b>Power Factor:</b>          | Yes   |
| <b>MIN/MAX/PEAK-/PEAK+</b>    | Yes   |
| <b>ΔREL:</b>                  | Yes   |
| <b>Recording:</b>             | Yes, up to 1000 points (160 h at 10 min intervals)          |
| <b>Communication:</b>         | Bluetooth   |
| <b>Software:</b>              | Yes, DataView <sup>®</sup> included                         |
| <b>Power Source:</b>          | (4) AA, NEDA 15 A, IEC LR6                                  |
| <b>Battery Life:</b>          | >350 h  |

For more details, download the datasheet or user manual at [www.aemc.com](http://www.aemc.com)

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|                               |  |
|-------------------------------|--|
| <b>Dimensions:</b>            | (10.7 x 3.6 x 1.6) in (272 x 92 x 41) mm   |
| <b>Weight:</b>                | 1.32 lbs (600 g) with batteries  |
| <b>Jaw Opening:</b>           | 1.9 in (48 mm)   |
| <b>Operating Temperature:</b> | (-4 to +131) °F (-20 to +55) °C  |
| <b>Storage Temperature:</b>   | (-40 to +158) °F (-40 to +70) °C   |
| <b>Operating Humidity:</b>    | 90 % up to 131 °F (55 °C)  |
| <b>Pollution Degree:</b>      | 2  |
| <b>Ingress Protection:</b>    | IP54   |
| <b>EMC:</b>                   | EN61326-1  |
| <b>Safety Compliance:</b>     | EN/IEC 61010-1 to 1000V CAT IV<br>EN/IEC 61010-2-030:2010<br>EN/IEC 61010-032:2002 |



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