CLAMP-ON METERS
400 & 600 SERIES BLUETOOTH® EDITION
POWER AND HARMONIC METERS

IP 54 | 1000 V CAT IV

POWER CLAMP-ON MODELS 407 & 607

Advanced power, energy, and harmonic measurements for single- and three-phase systems.



407 607

DataView®

True InRush®

MODELS	407	607
JAW		
Jaw Size	1.89 in (48 mm)	2.36 in (60 mm)
ELECTRICAL		
AC Voltage Range	1000 V	
DC Voltage Range	1000 V	
AC Current Peak	1000 A	2000 A
DC Current Max	1500 A	3000 A
Frequency Measurement	I: 5 Hz to 2 kHz V: 5 Hz to 20 kHz	I: 5 Hz to 1 kHz V: 5 Hz to 20 kHz
Resistance Measurement Range	0.1 Ω to 99.99 kΩ	
Resolution *(Count)*	10,000	
POWER		
Power Measurement	Yes	
Energy Measurement	Yes	
Harmonics[1]	Yes	
Recording	Yes	
Communication and Reporting	Yes	
Power Source	(4) AA batteries	
Safety Rating	1000 V CAT IV	

Consult factory for NIST Calibration prices.

[1] To the 25th order

FEATURES

- True RMS AC, DC, and AC+DC current measurement for accurate readings on circuits with both sinusoidal and distorted waveforms
- Measures voltage, current, power, energy, frequency, and harmonics in single- and three-phase systems
- True InRush® function captures motor starting and transient currents with high-speed sampling
- Harmonic analysis and Total Harmonic Distortion (THD) measurements support power quality assessments
- Integrated data recording with onboard memory for trending and load studies
- Bluetooth® communication for wireless data transfer to DataView® software
- Large backlit display with MIN/MAX, HOLD, and PEAK functions for clear visibility in industrial environments
- CAT IV safety ratings for use in demanding electrical installations

PRODUCT INCLUDES

CAT. #2139.51 POWER CLAMP-ON METER MODEL 407
CAT. #2139.61 POWER CLAMP-ON METER MODEL 607

Hard carrying case, set of (2) color-coded silicone test leads, test probes and alligator clips, Bluetooth® USB adapter, (4) AA batteries, safety information sheet, and USB drive supplied with DataView® software and user manual.



Includes FREE DataView® software for configuring, data retrieval, real-time display, analysis and report generation

See page 53 for Accessories/Replacements

CAT. #	DESCRIPTION
2139.51	Power Clamp-On Meter Model 407 (TRMS, 1000 VAC/DC, 1000 AAC/1500 ADC, Ohms, Continuity, Energy, Harmonics, Power, THD, Recording)
2139.61	Power Clamp-On Meter Model 607 (TRMS, 1000 VAC/DC, 2000 AAC/3000 ADC, Ohms, Continuity, Energy, Harmonics, Power, THD, Recording)

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CLAMP-ON METERS

ACCESSORIES / REPLACEMENTS

	CAT. #	DESCRIPTION	407	607	205	404	606	505	514	CM605	566	400D	4000D
	2117.73	Pouch – Replacement Dimensions: (7 × 8.5 × 2) in						•			•		
	2118.09	Case – General Carrying Case Dimensions: (13 × 9.5 × 3) in	•	•	•	•	•	•	•	•			
	2118.65	Case – Soft Carrying Case for Clamp-On Meters and Multimeters Dimensions: (10.5 × 5 × 2) in	•	•	•	•	•	•	•	•	•	•	•
	2119.48	Multi-Purpose Canvas Pouch Dimensions: (11 × 5 × 2.25) in	•	•	•	•	•						
	2121.05	AC Line Splitter Model ALS-1	•	•	•	•	•		•	•	•		
	2139.71	Thermocouple - K-thermocouple w/ 4 mm Integrated Adapter				•							
	2139.72	Replacement Pouch for Clamp-On Meter; Dimensions: (13.54 × 4.75 × 2.75) in			•	•	•		•	•			
	2139.73	Replacement Case	•	•									
	2139.74	Lead – Set of (2), 6.5 ft color-coded (red/black) Fused Leads (.63 A) w/ 4 mm Plug	•	•	•	•	•	•	•	•			
	2152.15	Set of (2), 5 ft color-coded (red/black) Silicone Insulated Safety Leads (4 mm right-angle Banana Plug and 4 mm straight screw-on Banana Plug) rated 1000 V CAT IV				•	•						
	2152.28	Lead – Set of (2), 6.5 ft color-coded (red/black) Fused Leads (0.63 A); (2) screw-on Alligator Clips, (2) screw-on Test Probes, Set of (5), 0.63 A fuses (UL)	•	•	•	•	•	•	•	•			
	2154.74	Lead – Replacement Set of (2), Needle Tip color-coded (red/black) w/ 4 mm right-angle plug {600 V CAT IV w/ shield on Needle Tip, 1000 V CAT II w/o shield}	•	•	•	•	•	•	•	•	•		
	5000.44	MultiFix *(universal mounting system)*										•	•
	5000.94	Lead – Set of (2), 5 ft Silicone color-coded (red/black) with 4 mm straight/right Banana Plugs (Rated 1000 V, CAT IV, UL)	•	•	•	•	•						
	5000.97	Probe – Black Test Probe (Rated 1000 V CAT IV, 15 A, UL V2)	•	•	•	•	•						
	5000.98	Probe – Red Test Probe (Rated 1000 V CAT IV, 15 A, UL V2)	•	•	•	•	•						
	5000.99	Clip – Safety Alligator – Black (1000 V CAT IV, 15 A, UL V2)	•	•	•	•	•						
	5100.00	Clip – Safety Alligator – Red (1000 V CAT IV, 15 A, UL V2)	•	•	•	•	•						

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CLAMP-ON METERS

SELECTION CHART

Models	CAT. #	Type	AC Current	AC Voltage	DC Current	DC Voltage	Resistance (Ω)	Continuity	Frequency (Hz)		Jaw Size	Dimensions
									Current	Voltage		
205	2139.40	AC / DC TRMS	600 A	1000 V	900 A	1000 V	60 kΩ	< 40 Ω	3 kHz	20 kHz	1.34 in (34 mm)	(8.7 × 3.1 × 1.65) in
404	2139.22	AC / DC TRMS	1000 A	1200 V	1500 A	1700 V	100 kΩ	< 40 Ω	1 kHz	20 kHz	1.89 in (48 mm)	(10.7 × 3.6 × 1.6) in
407	2139.51	AC / DC TRMS	1000 A	1000 V	1500 A	1000 V	100 kΩ	< 40 Ω	2 kHz	20 kHz	1.89 in (48 mm)	(10.7 × 3.6 × 1.6) in
606	2139.62	AC / DC TRMS	2000 A	1200 V	3000 A	1700 V	100 kΩ	< 40 Ω	1 kHz	20 kHz	2.36 in (60 mm)	(11.65 × 4.37 × 1.61) in
607	2139.61	AC / DC TRMS	2000 A	1000 V	3000 A	1000 V	100 kΩ	< 40 Ω	1 kHz	20 kHz	2.36 in (60 mm)	(11.65 × 4.37 × 1.61) in
505	2139.82	AC / DC TRMS	400 A	600 V	400 A	600 V	600 Ω	< 35 Ω	400 Hz		1.18 in (30 mm)	(7.83 × 2.95 × 1.42) in
514	2117.70	AC / DC TRMS	1000 A	750 V	1000 A	1000 V	4000 Ω	< 40 Ω	10 kHz		1.58 in (40 mm)	(9.53 × 2.60 × 1.42) in
566	2139.83	AC TRMS	100 A	600 V	–	600 V	600 kΩ	< 45 Ω	500 Hz		0.91 in (23 mm)	(8.27 × 3.0 × 1.32) in
CM605	7000.02	AC / DC	100 A	600 V	100 A	600 V	9999 Ω	< 100 Ω	500 Hz		0.60 in (15 mm)	(7.95 × 2.76 × 1.33) in
400D	2153.31	AC TRMS	400 A	–	–	–	–	–	10 Hz to 3 kHz		(2.75 to 8) in	(3.94 × 2.36 × 0.79) in
4000D	2153.32	AC TRMS	4000 A	–	–	–	–	–	10 Hz to 3 kHz		(3.94 to 8) in	(3.94 × 2.36 × 0.79) in



Technical Assistance (800) 343-1391
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DataView®

DATA ANALYSIS AND REPORTING SOFTWARE





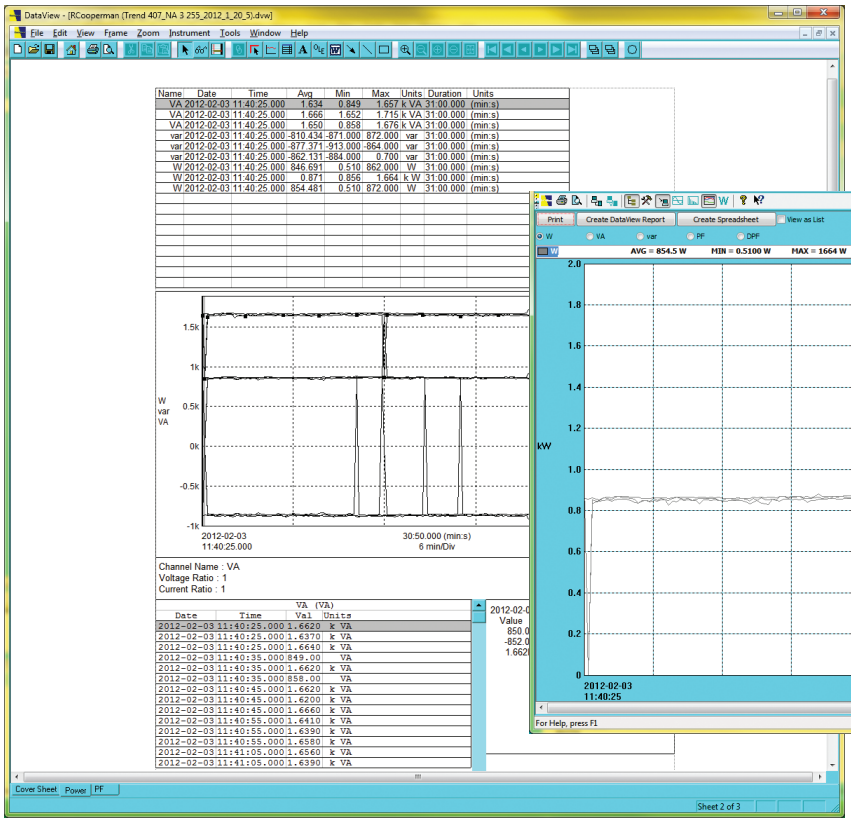
DataView® software, user manual and quick start guide are included in the USB Drive

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Configure all functions:

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- Free updates are available on our website ***www.aemc.com***



DataView® software report

Clean, easy-to-read report of test results

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