

# CLAMP-ON METERS

200, 400 & 600 SERIES

GENERAL PURPOSE METERS

## MODELS 203/403/603 & 205/405/605

*Users can be sure of working in a higher degree of safety with 1000V CAT IV rated meters (model dependent)*



## SPECIFICATIONS

MODELS	203/403/603 TRMS	205/405/605 TRMS
<b>ELECTRICAL</b>		
Current AC (rms)	600 / 1000 / 2000A	
Current DC	900 / 1500 / 3000A	
Current AC+DC	–	900 / 1500 / 3000A
Voltage AC (rms)	1000 / 1000 / 1000V	
Voltage DC	1000 / 1000 / 1000V	
Voltage AC+DC	–	1000 / 1000 / 1000V
Ohms	60 / 100 / 100kΩ	
Continuity (Buzzer)	Yes (< 40Ω)	
Diode Test	Yes	
THD	–	Yes
Single- and 3-Phase Real Power (AC, DC, AC/DC)*	–	600 / 1000 / 2000kW
Single- and 3-Phase Reactive Power (AC, DC, AC/DC)*	–	600 / 1000 / 2000kvar
Single- and 3-Phase Apparent Power (AC, DC, AC/DC)*	–	600 / 1000 / 2000kVA
Temperature (int., ext., C°, F°)	Yes	–
Voltage Frequency (Hz)	20kHz	20kHz
Current Frequency (Hz)	3 / 2 / 1kHz	3 / 2 / 1kHz
Power Factor	–	Yes
THD-r/THD-f	–	Yes
Current Probe Adapter Function (AC/DC)	0 to 6V (203) 0 to 10V (403/603)	–
Phase Rotation	–	Yes (2 wire)
Auto AC/DC	Yes (V & A)	
Auto Power OFF	Yes	
Hold Button	Yes	
Backlight Button	Yes	
Min/Max Button	Yes	
True InRush® Function	Yes	
Relative Function	Yes	
Peak ± Function	–	Yes
Hz Button	Yes	

\*Three-phase measurements assume balanced load



## FEATURES

- 1000V CAT IV Rated (Models 403/603 & 405/605)
- UL 94 VI flame retardant self-extinguishing
- 10,000-count (400 & 600 Series) and 6000 count (200 Series) blue electroluminescent backlit display
- Measures up to 1000VAc (1400V peak), 1000Vdc and AC+DC with resolution to 10mV
- Measures up to 2000Aac and 3000Adc (Model dependent)
- Measures single- and three-phase power (real, reactive and apparent) up to 3MW with resolution to 1W (Model dependent)
- Measures W, VA, var and PF for single- and three-phase balanced systems (Models 205, 405 & 605)
- Measures frequency to 20kHz with 0.1Hz resolution
- Auto selects AC or DC measurement voltage
- True InRush® current measurement with 100ms capture
- Jaw opening up to 1.34" (34mm) (200 series), 1.89" (48mm) (400 series) and 2.36" (60mm) (600 series)
- K-thermocouple and adapter included (Models 203, 403 & 603)

## PRODUCT INCLUDES

Visit our website or review the product manual for a list of included items.

CATALOG NO.	DESCRIPTION
2139.12	Clamp-On Meter Model 203 (TRMS, 1000VAc/dc, 600Aac/900Adc, Ohms, Continuity, Temperature)
2139.21	Clamp-On Meter Model 403 (TRMS, 1000VAc/dc, 1000Aac/1500Adc, Ohms, Continuity, Temperature)
2139.31	Clamp-On Meter Model 603 (TRMS, 1000VAc/dc, 2000Aac/3000Adc, Ohms, Continuity, Temperature)
2139.40	Power Clamp-On Meter Model 205 (TRMS, 1000VAc/dc, 600Aac/900Adc, Ohms, Continuity, Phase Rotation, Power, THD)
2139.50	Power Clamp-On Meter Model 405 (TRMS, 1000VAc/dc, 1000Aac/1500Adc, Phase Rotation, Ohms, Continuity, Power, THD)
2139.60	Power Clamp-On Meter Model 605 (TRMS, 1000VAc/dc, 2000Aac/3000Adc, Phase Rotation, Ohms, Continuity, Power, THD)

# CLAMP-ON METERS

## SELECTION GUIDE

Models	Catalog Number	Type	AC Current	AC Voltage	DC Current	DC Voltage	Resistance (Ω)	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	0Ω to 60kΩ	<40Ω	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	60kΩ	<40Ω	3kHz	20kHz	1.34" (34mm)	8.7 x 3.1 x 1.65"
403	2139.21	AC/DC TRMS	1000A	1000V	1500A	1000V	100kΩ	<40Ω	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
405	2139.50	AC/DC TRMS	1000A	1000V	1500A	1000V	100kΩ	<40Ω	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
407	2139.51	AC/DC TRMS	1000A	1000V	1500A	1000V	100kΩ	<40Ω	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
603	2139.31	AC/DC TRMS	2000A	1000V	3000A	1000V	100kΩ	<40Ω	1kHz	20kHz	2.36" (60mm)	11.65 x 4.37 x 1.61"
605	2139.60	AC/DC TRMS	2000A	1000V	3000A	1000V	100kΩ	<40Ω	1kHz	20kHz	2.36" (60mm)	11.65 x 4.37 x 1.61"
607	2139.61	AC/DC TRMS	2000A	1000V	3000A	1000V	100kΩ	<40Ω	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	400Ω	<40Ω	–	–	1.1" (28mm)	7.60 x 1.97 x 1.1"
505	2139.82	AC/DC TRMS	400A	600V	400A	600V	600Ω	<35Ω	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	4000Ω	<40Ω	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	4000Ω	<40Ω	20Hz to 10kHz	10Hz to 10kHz	1.58" (40mm)	9.53 x 2.60 x 1.42"
566*	2139.83	AC TRMS	1μA to 100A	0.01 to 600V	–	0.01 to 600V	0.1Ω to 600kΩ	<45Ω	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 9999Ω	Buzzer <100Ω ± 25Ω	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 10,000Ω	<35Ω	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 9999Ω	<35Ω	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