

CLAMP-ON METERS

200, 400 & 600 SERIES

GENERAL PURPOSE METERS

MODELS 404/606 & 205/405

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



404

606

205

405



*205 only



SPECIFICATIONS

MODELS	404/606 TRMS	205/405 TRMS
ELECTRICAL		
Current AC (rms)	(1000 / 2000) A	(600 / 1000) A
Current DC	(1500 / 3000) A	(900 / 1500) A
Current AC+DC	- / 3000 A	(900 / 1500) A
Voltage AC (rms)	1200 V	(1000 / 1000) V
Voltage DC	1700 V	(1000 / 1000) V
Voltage AC+DC	- / 1700 V	(1000 / 1000) V
Ohms	0.1 Ω to 99.99 kΩ	(60 / 100) kΩ
Continuity (Buzzer)	Yes (< 40 Ω)	
Diode Test	Yes	
THD	Yes (model 606)	Yes (model 405)
Single- and 3-Phase Real Power (AC, DC, AC/DC)*	- / 2400 kW	(600 / 1000) kW
Single- and 3-Phase Reactive Power (AC, DC, AC/DC)*	- / 2400 kvar	(600 / 1000) kvar
Single- and 3-Phase Apparent Power (AC, DC, AC/DC)*	- / 2400 kVA	(600 / 1000) kVA
Temperature (int., ext., °C, °F)	Yes (model 404)	-
Voltage Frequency	20 kHz	
Current Frequency	1.000 Hz / 1000 Hz	(3 / 2 / 1) kHz
Power Factor	Yes (model 606)	Yes
THD-r / THD-f	Yes (model 606)	Yes / Yes
Current Probe Adapter Function (AC/DC)	Yes (model 404)	-
Phase Rotation	Yes (model 606)	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 (model 606)	Yes
Hz Button	Yes	

*Three-phase measurements assume balanced load
Consult factory for NIST Calibration prices

FEATURES

- 1000 V CAT IV Rated (Models 404, 606 & 405)
- 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 1000 V_{AC} (1400 V peak), 1000 V_{DC} and AC+DC with resolution to 10 mV
- Measures up to 2000 A_{AC} and 3000 A_{DC} (Model dependent)
- Measures W, VA, var and PF for single- and three-phase balanced systems (Models 205, 405 & 606)
- Measures frequency to 20 kHz with 0.1 Hz resolution
- Auto selects AC or DC measurement voltage
- True InRush® current measurement with 100 mS capture
- Jaw opening up to: 1.34 in (34 mm) (200 series), 1.89 in (48 mm) (400 series), 2.36 in (60 mm) (600 series)
- K-thermocouple and adapter included (Models 404)

PRODUCT INCLUDES

Catalog #2139.22 Includes set of (2) color-coded silicone insulated test leads, test probes and alligator clips, K-thermocouple with 4 mm integrated adapter, soft carrying case, (4) 1.5 V AA batteries, and user manual.

Catalog #2139.62 Includes set of (2) color-coded silicone insulated test leads, test probes and alligator clips, soft carrying case, (4) 1.5 V AA batteries, and user manual.

Catalog #2139.40 Includes set of (2) 5 ft (1.5 m) needle tip color-coded leads with 4 mm right angle plug, soft carrying case, (1) 9 V battery and user manual.

Catalog #2139.50 Includes set of (2) color-coded silicone insulated test leads, test probes and alligator clips, soft carrying case, (4) 1.5 V AA batteries and user manual

CATALOG NO.	DESCRIPTION
2139.22	Clamp-On Meter Model 404 (TRMS, 1200 V _{AC} / 1700 V _{DC} , 1000 A _{AC} /1500 A _{DC} , Ohms, Continuity, Temperature)
2139.62	Clamp-On Meter Model 606 (TRMS, 1200 V _{AC} / 1700 V _{DC} , 2000 A _{AC} /3000 A _{DC} , Ohms, Continuity, Energy, Power, THD)
2139.40	Power Clamp-On Meter Model 205 (TRMS, 1000 V _{AC} /DC, 600 A _{AC} /900 A _{DC} , Ohms, Continuity, Phase Rotation, Power, THD)
2139.50	Power Clamp-On Meter Model 405 (TRMS, 1000 V _{AC} /DC, 1000 A _{AC} /1500 A _{DC} , 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		
205	2139.40	AC/DC TRMS	600 A	1000 V	900 A	1000 V	60 k Ω	< 40 Ω	3 kHz	20 kHz	1.34 in (34 mm)	(8.7 x 3.1 x 1.65) in
403	2139.21	AC/DC TRMS	1000 A	1000 V	1500 A	1000 V	100 k Ω	< 40 Ω	2 kHz	20 kHz	1.89 in (48 mm)	(10.7 x 3.6 x 1.6) in
404	2139.22	AC/DC TRMS	1000 A	1200 V	1500 A	1700 V	100 k Ω	< 40 Ω	1.000 Hz	20 kHz	1.89 in (48 mm)	(10.7 x 3.6 x 1.6) in
405	2139.50	AC/DC TRMS	1000 A	1000 V	1500 A	1000 V	100 k Ω	< 40 Ω	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 Ω	< 40 Ω	2 kHz	20 kHz	1.89 in (48 mm)	(10.7 x 3.6 x 1.6) in
603	2139.31	AC/DC TRMS	2000 A	1000 V	3000 A	1000 V	100 k Ω	< 40 Ω	1 kHz	20 kHz	2.36 in (60 mm)	(11.65 x 4.37 x 1.61) in
606	2139.62	AC/DC TRMS	2000 A	1200 V	3000 A	1700 V	100 k Ω	< 40 Ω	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 Ω	< 40 Ω	1 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 Ω	< 35 Ω	400 Hz	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 Ω	< 40 Ω	10 kHz	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 Ω	< 45 Ω	500 Hz	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 Ω	< 100 Ω	500 Hz	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 on Page 80
Consult factory for NIST Calibration prices