

CLAMP-ON METERS

400 & 600 Series General Purpose Meters

Models 401/601, 403/603 & 405/605

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

SPECIFICATIONS



MODELS	401/601 TRMS	403/603 TRMS	405/605 TRMS
ELECTRICAL			
Current AC (rms)	1000/2000A	1000/2000A	1000/2000A
Current DC	-	1500/3000A	1500/3000A
Current AC+DC	-	-	1500/3000A
Voltage AC (rms)	1000/1000V	1000/1000V	1000/1000V
Voltage DC	1000/1000V	1000/1000V	1000/1000V
Voltage AC+DC	-	-	1000/1000V
Ohms	100/100kΩ	100/100kΩ	100/100kΩ
Continuity (Buzzer)	Yes (< 40Ω)	Yes (< 40Ω)	Yes (< 40Ω)
Diode Test	Yes	Yes	Yes
Total Harmonic Distortion	-	-	Yes
Single- and 3-Phase Real Power (AC, DC, AC/DC)*	-	-	1000/2000kW 3000/6000kW
Single- and 3-Phase Reactive Power (AC, DC, AC/DC)*	-	-	1000/2000kvar 3000/6000kvar
Single- and 3-Phase Apparent Power (AC, DC, AC/DC)*	-	-	1000/2000kVA 3000/6000kVA
Temperature (int., ext., C°, F°)	Yes	Yes	-
Voltage Frequency (Hz)	20kHz	20kHz	20kHz
Current Frequency (Hz)	2kHz	2kHz	2kHz
Power Function (W, var, VA)	-	-	Yes
Power Factor	-	-	Yes
THD-r/THD-f	-	-	Yes
Adapter (AC/DC)	-	0 to 10V	-
Phase Rotation	-	-	Yes (2 threads)
Auto AC/DC	Yes (V)	Yes (V & A)	Yes (V & A)
Auto Power OFF	Yes	Yes	Yes
Hold Button	Yes	Yes	Yes
Backlight Button	Yes	Yes	Yes
Min/Max Button	Yes	Yes	Yes
True InRush® Function	Yes	Yes	Yes
Relative Function	-	Yes	Yes
Peak ± Function	-	-	Yes
Hz Button	Yes	Yes	Yes
Jaw Opening Size (Diameter)	1.89"/2.36"	1.89"/2.36"	1.89"/2.36"

*3-phase measurements assume balanced load



FEATURES

- 1000V CAT IV Rated
- UL 94 VI flame retardant self-extinguishing
- IP54 Rated
- 10,000 count 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 1Φ & 3Φ balanced systems (Models 405 & 605)
- Measures frequency to 20kHz with 0.1Hz resolution
- Auto selects AC or DC measurement voltage
- True InRush® current measurement with 1mS capture
- Jaw opening up to 1.89" (400 series) and up to 2.36" (600 series)
- Leads are constructed with a flexible silicone material

CATALOG NO. DESCRIPTION

2139.20	Clamp-On Meter Model 401 (TRMS, 1000VAc/dc, 1000Aac, Ohms, Continuity, Temperature)
2139.21	Clamp-On Meter Model 403 (TRMS, 1000VAc/dc, 1000Aac/1500Adc, Ohms, Continuity, Temperature)
2139.50	Power Clamp-On Meter Model 405 (TRMS, 1000VAc/dc, 1000Aac/1500Adc, Phase Rotation, Ohms, Continuity, Power, THD)
2139.30	Clamp-On Meter Model 601 (TRMS, 1000VAc/dc, 2000Aac, Ohms, Continuity, Temperature)
2139.31	Clamp-On Meter Model 603 (TRMS, 1000VAc/dc, 2000Aac/3000Adc, Ohms, Continuity, Temperature)
2139.60	Power Clamp-On Meter Model 605 (TRMS, 1000VAc/dc, 2000Aac/3000Adc, Phase Rotation, Ohms, Continuity, Power, THD)