

CLAMP-ON METERS

100Aac/dc LOW CURRENT

MODEL CM605

For general industrial monitoring and troubleshooting

SPECIFICATIONS

MODEL	CM605
ELECTRICAL	
AC Current	
Measurement Ranges	2 Ranges: 10A, 100A
Frequency Range	50 to 500Hz
DC Current (positive only)	
Measurement Ranges	2 Ranges: 10A, 100A
AC Volts	
Measurement Ranges	600Vrms
Frequency	40 to 500Hz
Input Impedance	10M Ω
DC Volts (positive only)*	
Measurement Ranges	600V
Input Impedance	10M Ω
Resistance (Ohms)	
Measurement Ranges	10k Ω (9999 Ω)
Test Voltage	< 3.0Vdc
Continuity	
Measurement Ranges	Buzzer < 100 Ω \pm 25 Ω
Resolution	1 Ω
Test Voltage	< 3.0Vdc
Analog Output	
Output	10mV/Aac & Adc through front banana jacks
Frequency	0 to 20kHz @ \pm 3db
Output Impedance	3k Ω , < 50pF
Other Functions	
Adc Zero & Relative Function	One touch push button to Zero Adc, or other readings. Relative function to compare two measurements.
HOLD Function	Holds A & V measurements when pressed (HOLD button)
PEAK Function	Captures PEAK (1ms) V or A measurement when activated (PEAK Button)
Auto-Ranging	"AUTO" displayed on LCD
Over Range	"OL" displayed on LCD for all measurements
Auto Power OFF	Auto Power OFF after approx 10 minutes with Over-Ride
Low Battery	Low Battery indication on LCD
Mechanical	
Max. Cable Diameter	\varnothing 0.45" (12mm)
Max. Jaw Opening	\varnothing 0.60" (15mm)
Power Source	Two 1.5V AAA (LR03) batteries (included)
Dimensions & Weight	7.44 x 2.80 x 1.46" (189 x 71 x 37mm) – 6.5oz (180g)
SAFETY	
Safety Rating	IEC/EN 61010-1 and 2-032 – 600V CAT II and 300V CAT III – Pollution Degree 2 Class 2 – Double or reinforced insulation, CE mark

*For negative measurement, add 2cts to the accuracy
Consult factory for NIST Calibration prices



FEATURES

- 10,000-count LCD display
- 100Aac/dc Ammeter with low 10A range (1mA resolution)*
- Tapered jaws for crowded wiring areas
Jaw opening: \varnothing 0.60" - 15mm
Cable diameter: \varnothing 0.45" - 12mm
- 600VAC/DC voltmeter
- Analog output in Aac/dc to data loggers, etc
- Auto-ranging & Adc zero push-button
- Data HOLD & PEAK functions
- Relative function to compare two measurements
- Ohm range & continuity test with beeper
- Auto Power OFF and low battery indicator
- IEC/EN 61010 safety rated & CE mark
- 600Vrms overload protection

PRODUCT INCLUDES

Soft carrying case, set of (2) color-coded (red/black) test leads with probe tips, (2) 1.5V AAA batteries and a user manual.



CATALOG NO.	DESCRIPTION
7000.02	Clamp-on Meter Model CM605 (100Aac/dc, Low Current)



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	0 Ω to 60k Ω	<40 Ω	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	60k Ω	<40 Ω	3kHz	20kHz	1.34" (34mm)	8.7 x 3.1 x 1.65"
403	2139.21	AC/DC TRMS	1000A	1000V	1500A	1000V	100k Ω	<40 Ω	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
405	2139.50	AC/DC TRMS	1000A	1000V	1500A	1000V	100k Ω	<40 Ω	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
407	2139.51	AC/DC TRMS	1000A	1000V	1500A	1000V	100k Ω	<40 Ω	2kHz	20kHz	1.89" (48mm)	10.7 x 3.6 x 1.6"
603	2139.31	AC/DC TRMS	2000A	1000V	3000A	1000V	100k Ω	<40 Ω	1kHz	20kHz	2.36" (60mm)	11.65 x 4.37 x 1.61"
605	2139.60	AC/DC TRMS	2000A	1000V	3000A	1000V	100k Ω	<40 Ω	1kHz	20kHz	2.36" (60mm)	11.65 x 4.37 x 1.61"
607	2139.61	AC/DC TRMS	2000A	1000V	3000A	1000V	100k Ω	<40 Ω	1kHz	20kHz	2.36" (60mm)	11.65 x 4.37 x 1.61"
505	2139.82	AC/DC TRMS	400A	600V	400A	600V	600 Ω	<35 Ω	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	4000 Ω	<40 Ω	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	4000 Ω	<40 Ω	20Hz to 10kHz	10Hz to 10kHz	1.58" (40mm)	9.53 x 2.60 x 1.42"
566*	2139.83	AC TRMS	1 μ A to 100A	0.01 to 600V	-	0.01 to 600V	0.1 Ω to 600k Ω	<45 Ω	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 9999 Ω	Buzzer <100 Ω \pm 25 Ω	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 10,000 Ω	<35 Ω	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 9999 Ω	<35 Ω	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 83
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