

CLAMP-ON METERS

100 Aac/dc LOW CURRENT

MODEL CM605

For general industrial monitoring and troubleshooting

SPECIFICATIONS

MODEL	CM605
ELECTRICAL	
AC Current	
Measurement Ranges	2 Ranges: 10 A, 100 A
Frequency Range	(50 to 500) Hz
DC Current (positive only)	
Measurement Ranges	2 Ranges: 10 A, 100 A
AC Volts	
Measurement Ranges	600 Vrms
Frequency	(40 to 500) Hz
Input Impedance	10 M Ω
DC Volts (positive only)*	
Measurement Ranges	600 V
Input Impedance	10 M Ω
Resistance (Ohms)	
Measurement Ranges	10 k Ω (9999 Ω)
Test Voltage	< 3.0 Vdc
Continuity	
Measurement Ranges	Buzzer < 100 Ω $\pm$ 25 Ω
Resolution	1 Ω
Test Voltage	< 3.0 Vdc
Analog Output	
Output	10 mV/Aac & Adc through front banana jacks
Frequency	(0 to 20) kHz @ $\pm$ 3 db
Output Impedance	3 k Ω , < 50 pF
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 (1 ms) 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 min with Over-Ride
Low Battery	Low Battery indication on LCD
Mechanical	
Max. Cable Diameter	$\varnothing$ 0.45 in (12 mm)
Max. Jaw Opening	$\varnothing$ 0.60 in (15 mm)
Power Supply	(2) 1.5 V AAA (LR03) batteries (included)
Dimensions	(7.44 x 2.80 x 1.46) in (189 x 71 x 37) mm
Weight	6.5 oz (184 g)
SAFETY	
Safety Rating	IEC/EN 61010-1 and 2-032 – 600 V CAT II and 300 V CAT III – Pollution Degree 2 Class 2 – Double or reinforced insulation, CE mark

*For negative measurement, add 2 cts to the accuracy

Consult factory for NIST Calibration prices

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



FEATURES

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

PRODUCT INCLUDES

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



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
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
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
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