

CLAMP-ON METERS

100AC/DC LOW CURRENT

MODEL CM605

For general industrial monitoring and troubleshooting



FEATURES

- 10,000-count LCD display - excellent resolution
- 100AC/DC Ammeter with low 10A range (1mA resolution)
- Tapered jaws for crowded wiring areas
Jaw opening:
Ø 0.60" - 15mm
Cable diameter:
Ø 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



SPECIFICATIONS

MODEL	CM605
ELECTRICAL	
AC Current	
Measurement Ranges	2 Ranges: 10A, 100A
Accuracy & Resolution	10A: ±2.0% of Reading ±10cts - 1mA Resolution 80A: ±2.0% of Reading ±10cts - 10mA Resolution > 80A: ±3.5% of Reading ±10cts - 10mA Resolution
Frequency Range	2 Ranges: 50 to 500Hz
DC Current (positive only)	
Measurement Ranges	2 Ranges: 10A, 100A
Accuracy & Resolution	10A: ±2.5% of Reading ±10cts - 1mA Resolution 80A: ±2.5% of Reading ±10cts - 10mA Resolution > 80A: ±4.5% of Reading ±10cts - 10mA Resolution
AC Volts	
Measurement Ranges	600Vrms
Accuracy & Resolution	±1.5% of Reading ±5cts - 100mV Resolution
Frequency	40 to 500Hz
Input Impedance	10MΩ, < 50pF
DC Volts (positive only)*	
Measurement Ranges	600V
Accuracy & Resolution	±1.0% of Reading ±2cts - 100mV Resolution
Input Impedance	10MΩ
Resistance (Ohms)	
Measurement Ranges	10kΩ (9999Ω)
Accuracy & Resolution	±1.0% of Reading ±3cts - 1Ω Resolution
Test Voltage	< 3.0Vdc
Continuity	
Measurement Ranges	Buzzer < 100Ω ±25Ω
Resolution	1Ω
Test Voltage	< 3.0Vdc
Analog Output	
Output	10mV/Aac & Adc through front banana jacks
Frequency	0 to 20kHz @ ±3db
Output Impedance	3kΩ, < 50pF
Other Functions	
Adc Zero & Relative Function	One touch push button (ΔZERO Button) to Zero Adc, or other readings. Relative function also used in the other ranges 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 minute with Over-Ride
Low Battery	Low Battery indication on LCD
MECHANICAL	
Max. Cable Diameter	Ø 0.45" (12mm)
Max. Jaw Opening	Ø 0.60" (15mm)
Power Source	Two 1.5V AAA (LR03) batteries (included)
Dimensions & Weight	7.95 x 2.76 x 1.33" (202 x 70 x 34mm) - 6.5oz (180g)
Safety Standards	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

PRODUCT INCLUDES

Soft carrying case, set of two test leads, two 1.5V AAA batteries and user manual.

CATALOG NO.	DESCRIPTION
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7000.02 Clamp-On Meter Model CM605 (100AC/DC, Low Current)



Technical Assistance (800) 343-1391

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