



1mA Resolution

Model CM605

For general industrial monitoring and troubleshooting

SPECIFICATIONS

MODEL	CM605
ELECTRICAL	
AC Current	
Measurement Ranges	2 Ranges: 10A, 100A
Accuracy & Resolution	10A: 2.0% of Reading \pm 10cts - 1mA Resolution 80A: 2.0% of Reading \pm 10cts - 10mA Resolution > 80A: 3.5% of Reading \pm 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 \pm 10cts - 1mA Resolution 80A: 2.5% of Reading \pm 10cts - 10mA Resolution > 80A: 4.5% of Reading \pm 10cts - 10mA Resolution
AC Volts	
Measurement Ranges	600Vrms
Accuracy & Resolution	1.5% of Reading \pm 5cts - 100mV Resolution
Frequency	40 to 500Hz
Input Impedance	10M Ω , < 50pF
DC Volts (positive only)*	
Measurement Ranges	600V
Accuracy & Resolution	1.0% of Reading \pm 2cts - 100mV Resolution
Input Impedance	10M Ω
Resistance (Ohms)	
Measurement Ranges	10k Ω (9999 Ω)
Accuracy & Resolution	1.0% of Reading \pm 3cts - 1 Ω Resolution
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 (Δ ZERO 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	\varnothing 0.45" (12mm)
Max. Jaw Opening	\varnothing 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) – 6.5 oz (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



FEATURES

- 10,000-count LCD display - excellent resolution
- 100Ac/dc Ammeter with low 10A range (1mA resolution)
- Tapered jaws for crowded wiring areas (\varnothing .60" - 15mm Jaw opening) (\varnothing .45" - 12mm Cable diameter)
- 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, 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)

