

Model CM 605

# 100AAC/DC Low Current Clamp-on Meter



CE

## Compact 100AAC/DC Low Current Clamp-on Meter

- 10,000-count LCD Display - Excellent Resolution
- 100AAC/DC Ammeter with low 10A Range (1mA Resolution)
- Tapered Jaws for crowded wiring or areas (Ø.45"- 12mm Jaw Opening)
- 600VAC/DC Voltmeter
- Analog Output in AAC/DC
- Auto-Ranging & ADC Zero Push-button
- Data HOLD & PEAK Functions
- Relative Function to Compare Two Measurements
- Ohm Range & Continuity Test with Beeper, 600V Protection
- Batteries: AUTO-OFF and Low Battery Indicator
- IEC/EN 61010 Safety Rated & CE Mark

## 100AAC/DC Low Current Clamp-on Meter

ELECTRICAL SPECIFICATIONS		Model CM 605
<b>AC Amperes</b>		
Measurement Ranges	2 Ranges: 10A, 100A	
Accuracy & Resolution	10A: 2.0% ± 10cts - 1mA Resolution 80A: 2.0% ± 10cts - 10mA Resolution > 80A: 3.5% ± 10cts - 10mA Resolution	
Frequency Range	50 to 500Hz	
<b>DC Amperes</b>		
Measurement Ranges	2 Ranges: 10A, 100A	
Accuracy & Resolution	10A: 2.5% ± 10cts - 1mA Resolution 80A: 2.5% ± 10cts - 10mA Resolution > 80A: 4.5% ± 10cts - 10mA Resolution	
<b>AC Volts</b>		
Measurement Range	600V	
Accuracy & Resolution	1.5% ± 5cts - 100mV Resolution	
Frequency	40 to 500Hz	
Input Impedance	10MΩ, < 50pF	
Overload Protection	600Vrms	
<b>DC Volts</b>		
Measurement Ranges	600V	
Accuracy & Resolution	1.0% ± 2cts - 100mV Resolution	
Input Impedance	10MΩ	
Overload Protection	600Vrms	
<b>Resistance (Ohms)</b>		
Measurement Range	10kΩ (9999Ω)	
Accuracy & Resolution	1.0% ± 3cts - 1Ω Resolution	
Test Voltage	< 3.0VDC	
Protection	600Vms	
<b>Continuity</b>		
Measurement Range	Buzzer < 100Ω ± 25Ω	
Resolution	1Ω	
Test Voltage	< 3.0VDC	
Protection	600Vrms	
<b>Analog Output</b>		
Ranges	AAC & ADC	
Output	10mV/A through front banana jacks	
Frequency	0 to 20kHz @ ± 3db	
Output Impedance	3kΩ, < 50pF	
<b>Other Functions</b>		
ADC Zero & Relative Function	Yes - 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	Yes - Holds A & V measurements when pressed (HOLD button)	
PEAK Function	Yes - Captures PEAK (1ms) V or A measurement when activated (PEAK Button)	
Auto-Ranging	Yes - "AUTO" displayed on LCD	
Over Range	Yes - "OL" displayed on LCD for all measurements	
Auto-Off	Yes - Auto-Off after approx 10 minute with Over-Ride	
Low Battery	Yes - Low Battery indication on LCD	

## 100AAC/DC Low Current Clamp-on Meter

MECHANICAL SPECIFICATIONS	Model CM 605
Display	4 Digit LCD 10,000-count (9999 max reading) – “OL” displayed if Over-Range
Jaw Opening (Window)	Ø 0.45" (Ø 12mm) or .40 x 1.39" (10 x 35mm)
Operating Temperature & %RH	32° to 104°F (0° to 40°C), 80% RH max non-condensing
Storage Temperature & %RH	14° to 140°F (-10° to 60°C), 70% RH max non-condensing
Altitude	< 6000 ft (2000m)
Range Selection	Auto-Ranging
Power Supply	2 batteries – 1.5V type AAA (LR03)
Battery Power Management	Low Battery Indicator on LCD, Auto-OFF after approx. 30 minutes
Dimensions & Weight	7.95 x 2.76 x 1.33" (202 x 70 x 34mm) – 6.5 oz (180g)
Warranty	One Year
<b>Safety</b>	
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
Protection	Ohmmeter and Continuity function protected to 600V <sub>rms</sub>

NOTE: Accuracy given @ 23°C ±5°C, 80% RH max, conductor centered in jaws, 45-65Hz, no DC component



## Multimetrix®

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## Ordering Information

**100A AC/DC Low Current Clamp-on Meter Model CM 605**  
Catalog Number: 7000.02

**Includes:** Clamp-on Meter CM 605 – Lead Set (Red & Black lead) with Needle Point Test Probes – Carrying Case – 2 x 1.5V AAA Batteries – User Manual

*Specifications and Prices are subject to change without notice.  
Consult Factory before ordering.*