

Model CM 600

# 600A Auto-Ranging Clamp-on Meter



## Simple and Compact Auto-Ranging 600AAC Clamp-on Meter

- 2000-count 3½ Digit LCD Display
- 600A Ammeter (Ø 1.18"- 30mm Jaw Opening)
- 600VAC/DC Voltmeter
- Ohmmeter, Continuity and Diode Test Protected to 600V
- 1.5% or Better Nominal Accuracy
- MAX Function
- Auto-Ranging
- Continuity Test with Beeper
- Batteries: AUTO-OFF and Low Battery Indicator
- IEC/EN 61010 Safety Rated & CE Mark
- Ideal for General Electrical Maintenance

## 600A Auto-Ranging Clamp-on Meter

ELECTRICAL SPECIFICATIONS		MODEL CM 600
<b>AC Amperes</b>		
Measurement Range	2 Ranges: 20A, 600A	
Accuracy & Resolution	200A: 1.9% ± 10cts - 0.1A Resolution 600A: 1.9% ± 5cts - 1A Resolution	
Frequency	40 to 500Hz	
<b>AC Volts</b>		
Measurement Range	4 Ranges: 2V, 20V, 200V, 600V	
Accuracy & Resolution	2V: 1.5% ± 10cts - 1mV Resolution 20V: 1.5% ± 10cts - 10mV Resolution 200V: 1.5% ± 5cts - 100mV Resolution 600V: 1.5% ± 5cts - 1V Resolution	
Frequency	40 to 500Hz	
Input Impedance	11MΩ, 10MΩ, 10MΩ, 10MΩ, < 50pF	
Overload Protection	660Vrms	
<b>DC Volts</b>		
Measurement Range	5 Ranges: 200mV, 2V, 20V, 200V, 600V	
Accuracy & Resolution	200mV: 0.7% ± 3cts - 0.1mV Resolution 2V: 1.3% ± 3cts - 1mV Resolution 20V: 1.3% ± 3cts - 10mV Resolution 200V: 1.0% ± 3cts - 100mV Resolution 600V: 1.0% ± 3cts - 1V Resolution	
Input Impedance	11MΩ, 10MΩ, 10MΩ, 10MΩ, (>100MΩ on 200mV Range)	
Overload protection	660Vrms	
<b>Resistance (Ohms)</b>		
Measurement Range	6 Ranges: 200Ω, 2000Ω, 20kΩ, 200kΩ, 2MΩ, 20MΩ	
Accuracy & Resolution	200Ω: 1.5% ± 5cts - 0.1Ω Resolution 2000Ω: 1.5% ± 5cts - 1Ω Resolution 20kΩ: 1.5% ± 5cts - 0.01kΩ Resolution 200kΩ: 1.5% ± 5cts - 0.1kΩ Resolution 2MΩ: 5.0% ± 5cts - 0.001MΩ Resolution 20MΩ: 10.0% ± 5cts - 0.01MΩ Resolution	
Protection	600V	
<b>Continuity</b>		
Measurement Range	0 to 200Ω with Buzzer < 60Ω ± 20Ω	
Resolution	0.1Ω Resolution	
Test Voltage	Open Voltage: 0.7V	
Protection	600V	
<b>Diode Test</b>		
Measurement Range	0 to 2V	
Resolution	0.001V Resolution	
Test Voltage	Open Voltage: 1.5V	
Protection	600V	
<b>Other Functions</b>		
MAX Function	Yes - Holds Max A & V measurements (Blue button)	
Auto-Ranging	Yes	
Over-Range	Yes - "OL" Displayed on LCD	
Auto-OFF	Yes - Auto-OFF after approx 15 minutes	
Low Battery	Yes - Low Battery indicator displayed on LCD	

## 600A Auto-Ranging Clamp-on Meter

MECHANICAL SPECIFICATIONS	MODEL CM 600
Display	3½ Digits LCD – 2000-count - OL displayed if Over-Range
Jaw Opening	Ø 1.18" (Ø 30mm) or .40 x 1.39" (10 x 35mm)
Operating Temperature & %RH	32° to 122°F (0° to 50°C), 80% RH max non-condensing
Storage Temperature & %RH	14° to 140°F (-10° to 60°C), 80% RH max non-condensing
Altitude	< 6000 ft (2000m)
Range Selection	Auto-Ranging
Power Supply	2 Batteries – 1.5V type AAA (LR03)
Battery Life	Approximately 240 hours
Battery Power Management	Low Battery Indicator on LCD, Auto-Off after 15 minutes
Dimensions & Weight	7.44 x 2.80 x 1.46" (189 x 71 x 37 mm) - 7.2 oz (200g)
Warranty	One Year
<b>Safety</b>	
Safety Standards	IEC/EN 61010-1 and 2-032 – 600V Cat. II, 300V Cat. III – Pollution Degree 2 Class 2 – Double or reinforced insulation, CE mark
Protection	Ohmmeter, Diode Test and Continuity functions protected to 600VAC/DC

NOTE: Accuracy given @ 23°C ±5°C, 80% RH max, conductor centered in jaws, 48-65Hz sine wave, no DC component



## Multimetrix®

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## Ordering Information

**600A Clamp-on Meter Model CM 600**  
Catalog Number: MMX-CM600

**Includes:** Clamp-on Meter CM 600 – 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.*