

# CLAMP-ON METERS

## 100 A<sub>AC/DC</sub> LOW CURRENT



### MODEL CM605

*For general industrial monitoring and troubleshooting*



### FEATURES

- 10,000-count LCD display
- 100 A<sub>AC/DC</sub> Ammeter with low 10 A range (1 mA resolution)
- Analog output in A<sub>AC/DC</sub> to data loggers, oscilloscopes and more
- Tapered jaws for crowded wiring areas  
Jaw opening: Ø 0.60 inch (15 mm)  
Cable diameter: Ø 0.45 inch (12 mm)
- 600 V<sub>AC/DC</sub> voltmeter
- Auto-ranging and A<sub>DC</sub> 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 V<sub>rms</sub> overload protection

MODEL	CM605
<b>ELECTRICAL</b>	
<b>AC Current</b>	
Measurement Ranges	2 Ranges: 10 A, 100 A
Frequency Range	(50 to 500) Hz
<b>DC Current (positive only)</b>	
Measurement Ranges	2 Ranges: 10 A, 100 A
<b>AC Volts</b>	
Measurement Ranges	600 V <sub>rms</sub>
Frequency	(40 to 500) Hz
Input Impedance	10 MΩ
<b>DC Volts (positive only)</b>	
Measurement Ranges	600 V
Input Impedance	10 MΩ
<b>Resistance (Ohms)</b>	
Measurement Ranges	10 kΩ (9999 Ω)
Test Voltage	< 3.0 V <sub>DC</sub>
<b>Continuity</b>	
Measurement Ranges	Buzzer < 100 Ω ± 25 Ω
Resolution	1 Ω
Test Voltage	< 3.0 V <sub>DC</sub>
<b>Analog Output</b>	
Output	10 mV/A <sub>AC</sub> & A <sub>DC</sub> through front banana jacks
Frequency	(0 to 20) kHz @ ± 3 db
Output Impedance	3 kΩ, < 50 pF
<b>Other Functions</b>	
A <sub>DC</sub> Zero & Relative Function	One touch push button to Zero A <sub>DC</sub> , 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 approximately 10 m with Over-Ride
Low Battery	Low Battery indication on LCD
<b>MECHANICAL</b>	
Max. Cable Diameter	Ø 0.45 in (12 mm)
Max. Jaw Opening	Ø 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)
<b>SAFETY</b>	
Safety Rating	IEC / EN 61010-1 and 2-032 – 600 V CAT II and 300 V CAT III – Pollution Degree 2 Class 2

For negative measurement, add 2 cts to the accuracy.  
Consult factory for NIST Calibration prices.

### 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.



#### CAT. # DESCRIPTION

7000.02 Clamp-on Meter Model CM605 (100 A<sub>AC/DC</sub>, Low Current)



# CLAMP-ON METERS

## SELECTION GUIDE

Models	CAT. #	Type	AC Current	AC Voltage	DC Current	DC Voltage	Resistance ( $\Omega$ )	Continuity	Frequency (Hz)		Jaw Size	Dimensions
									Current	Voltage		
<b>205</b>	2139.40	AC / DC TRMS	600 A	1000 V	900 A	1000 V	60 k $\Omega$	< 40 $\Omega$	3 kHz	20 kHz	1.34 in (34 mm)	(8.7 x 3.1 x 1.65) in
<b>404</b>	2139.22	AC / DC TRMS	1000 A	1200 V	1500 A	1700 V	100 k $\Omega$	< 40 $\Omega$	2 kHz	20 kHz	1.89 in (48 mm)	(10.7 x 3.6 x 1.6) in
<b>407</b>	2139.51	AC / DC TRMS	1000 A	1000 V	1500 A	1000 V	100 k $\Omega$	< 40 $\Omega$	2 kHz	20 kHz	1.89 in (48 mm)	(10.7 x 3.6 x 1.6) in
<b>606</b>	2139.62	AC / DC TRMS	2000 A	1200 V	3000 A	1700 V	100 k $\Omega$	< 40 $\Omega$	1 kHz	20 kHz	2.36 in (60 mm)	(11.65 x 4.37 x 1.61) in
<b>607</b>	2139.61	AC / DC TRMS	2000 A	1000 V	3000 A	1000 V	100 k $\Omega$	< 40 $\Omega$	2 kHz	20 kHz	2.36 in (60 mm)	(11.65 x 4.37 x 1.61) in
<b>505</b>	2139.82	AC / DC TRMS	400 A	600 V	400 A	600 V	600 $\Omega$	< 35 $\Omega$	400 Hz		1.18 in (30 mm)	(7.83 x 2.95 x 1.42) in
<b>514</b>	2117.70	AC / DC TRMS	1000 A	750 V	1000 A	1000 V	4000 $\Omega$	< 40 $\Omega$	10 kHz		1.58 in (40 mm)	(9.53 x 2.60 x 1.42) in
<b>566*</b>	2139.83	AC TRMS	100 A	600 V	–	600 V	600 k $\Omega$	< 45 $\Omega$	500 Hz		0.91 in (23 mm)	(8.27 x 3.0 x 1.32) in
<b>CM605</b>	7000.02	AC / DC	100 A	600 V	100 A	600 V	9999 $\Omega$	< 100 $\Omega$	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.  
Consult factory for NIST Calibration prices.