

# CLAMP-ON METERS

## 100AAC/DC LOW CURRENT



### MODEL CM605

For general industrial monitoring and troubleshooting



## FEATURES

- 10,000-count LCD display excellent resolution
- 100AAC/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



## Product Included



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

\*For negative measurement, add 2cts to the accuracy

### CATALOGNO.

### DESCRIPTION

7000.02

Clamp-On Meter Model CM605 (100AAC/DC, Low Current)



## MODEL CM605

For general industrial monitoring and troubleshooting

## SPECIFICATIONS

MODEL	CM605
<b>ELECTRICAL</b>	
<b>AC Current</b>	
Measurement Ranges	2 Ranges: 10A, 100A
Accuracy & Resolution	10A: $\pm 2.0\%$ of Reading $\pm 10$ cts - 1mA Resolution 80A: $\pm 2.0\%$ of Reading $\pm 10$ cts - 10mA Resolution > 80A: $\pm 3.5\%$ of Reading $\pm 10$ cts - 10mA Resolution
Frequency Range	2 Ranges: 50 to 500Hz
<b>DC Current (positive only)</b>	
Measurement Ranges	2 Ranges: 10A, 100A
Accuracy & Resolution	10A: $\pm 2.5\%$ of Reading $\pm 10$ cts - 1mA Resolution 80A: $\pm 2.5\%$ of Reading $\pm 10$ cts - 10mA Resolution > 80A: $\pm 4.5\%$ of Reading $\pm 10$ cts - 10mA Resolution
<b>AC Volts</b>	
Measurement Ranges	600Vrms
Accuracy & Resolution	$\pm 1.5\%$ of Reading $\pm 5$ cts - 100mV Resolution
Frequency	40 to 500Hz
Input Impedance	10M $\Omega$ , < 50pF
<b>DC Volts (positive only)*</b>	
Measurement Ranges	600V
Accuracy & Resolution	$\pm 1.0\%$ of Reading $\pm 2$ cts - 100mV Resolution
Input Impedance	10M $\Omega$
<b>Resistance (Ohms)</b>	
Measurement Ranges	10k $\Omega$ (9999 $\Omega$ )
Accuracy & Resolution	$\pm 1.0\%$ of Reading $\pm 3$ cts - 1 $\Omega$ Resolution
Test Voltage	< 3.0Vdc
<b>Continuity</b>	
Measurement Ranges	Buzzer < 100 $\Omega$ $\pm 25\Omega$
Resolution	1 $\Omega$
Test Voltage	< 3.0Vdc
<b>Analog Output</b>	
Output	10mV/Aac & Adc through front banana jacks
Frequency	0 to 20kHz @ $\pm 3$ db
Output Impedance	3k $\Omega$ , < 50pF
<b>Other Functions</b>	
Arc Zero & Relative Function	One touch push button ( $\Delta$ 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
<b>MECHANICAL</b>	
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) - 6.5oz (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