



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 |
|-------------|-------------|
|-------------|-------------|

7000.02 Clamp-On Meter Model CM605 (100Ac/dc, Low Current)

