

CLAMP-ON METERS

100AC/DC Low Current

Model CM605

For general industrial monitoring and troubleshooting

1mA Resolution



SPECIFICATIONS

| MODEL | CM605 |
|-----------------------------------|---|
| ELECTRICAL | |
| AC Current | |
| Measurement Ranges | 2 Ranges: 10A, 100A |
| Accuracy & Resolution | 10A: 2.0% of Reading ± 10cts - 1mA Resolution 80A: 2.0% of Reading ± 10cts - 10mA Resolution > 80A: 3.5% of Reading ± 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 ± 10cts - 1mA Resolution 80A: 2.5% of Reading ± 10cts - 10mA Resolution > 80A: 4.5% of Reading ± 10cts - 10mA Resolution |
| AC Volts | |
| Measurement Ranges | 600Vrms |
| Accuracy & Resolution | 1.5% of Reading ± 5cts - 100mV Resolution |
| Frequency | 40 to 500Hz |
| Input Impedance | 10MΩ, < 50pF |
| DC Volts (positive only)* | |
| Measurement Ranges | 600V |
| Accuracy & Resolution | 1.0% of Reading ± 2cts - 100mV Resolution |
| Input Impedance | 10MΩ |
| Resistance (Ohms) | |
| Measurement Ranges | 10kΩ (9999Ω) |
| Accuracy & Resolution | 1.0% of Reading ± 3cts - 1Ω Resolution |
| Test Voltage | < 3.0Vdc |
| Continuity | |
| Measurement Ranges | Buzzer < 100Ω ± 25Ω |
| Resolution | 1Ω |
| Test Voltage | < 3.0Vdc |
| Analog Output | |
| Output | 10mV/AAC & ADC through front banana jacks |
| Frequency | 0 to 20kHz @ ± 3db |
| Output Impedance | 3kΩ, < 50pF |
| Other Functions | |
| ADC Zero & Relative Function | One touch push button (ΔZERO Button) to Zero A/Dc, 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 | Ø 0.45" (12mm) |
| Max. Jaw Opening | Ø 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
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 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) |