



CM660 - New Dual Display Amp Clamp W/ AC/DC Amps, True RMS, NCV, 750v, 600a, 0.01a Resolution



FEATURES:

- 16 functions, 49 ranges (CM660/CM700); 17 functions, 51 ranges (CM770)
 - Measures temperature from -58° to 1112°F (-50° to 600°C) using included "K" type stem thermocouple
 - Also measures surface temperature from -4° to 662°F (-20° to 350°C) using 6:1 D:S detachable IR thermometer with fixed emissivity and measurement hold button (CM770 only). When IRT is re-attached, its reading is optically coupled onto meter's display.
 - Uses beeper to verify integrity of diodes and check circuits for continuity
 - 0 to 200μA/2000μA AC/DC ranges for measuring flame rod current with 0.1μA/1μA resolution using included test leads
 - Built-in Non-Contact Voltage (NCV) detector with 4 sensitivity settings & audible and visual alerts
 - Large backlit digital LCD with two 6000-count readouts for simultaneous display of real-time current or voltage on primary readout and line frequency on secondary readout
 - Fast-response analog bar graph
 - Bright LED work light
- Auto and Manual ranging and MIN/MAX options
 - Data HOLD and REL (zero) buttons
 - INRUSH mode for measuring surge current during motor startup
 - 1.65 in. (42mm) jaw opening (largest in its class) for conductors up to 550 MCM resists side torque
 - Rugged housing can withstand multiple drops onto concrete from height of 5 ft. (1.6m)
 - ETL certified CAT III 600V, CAT II 1000V

SPECIFICATIONS:

- AC Voltage Ranges / Accuracy: 0 to 600mV/6V/60V/600V/1000V / $\pm(0.8\% + 3 \text{ digits})$
- DC Voltage Ranges / Accuracy: 0 to 600mV/6V/60V/600V/1000V / $\pm(0.5\% + 3 \text{ digits})$
- AC Current Measurement Ranges / Accuracy: 0 to 60A/600A (CM660), 0 to 60A/600A/1000A (CM700/CM770) / $\pm(1.8\% + 5 \text{ counts})$
- DC Current Ranges (via clamp) / Accuracy: 0 to 60A/600A (CM660), 0 to 60A/600A/1000A (CM700/CM770) / $\pm(3\% + 5 \text{ digits})$
- Resistance Ranges / Accuracy: 0 to 600Ω/6kΩ/60kΩ/600kΩ/6MΩ/60MΩ / $\pm(0.8\% + 3 \text{ digits}) @ < 1\text{M}\Omega$; $\pm(1.2\% \text{ of reading} + 3 \text{ digits}) @ \geq 1\text{M}\Omega$
- Frequency Ranges / Accuracy: 10Hz to 60Hz/600Hz/6kHz (clamp jaw); 10Hz to 60Hz/600Hz/6kHz/60kHz/600kHz/6MHz/60MHz (test leads) / $\pm(1.5\% + 5 \text{ digits})$ (clamp jaw); $\pm(0.3\% + 5 \text{ digits})$ (test leads in Hz mode)
- Capacitance Ranges / Accuracy: 0 to 6nF/60nF/600nF/6μF/60μF/600μF/6000μF/60,000μF / $\pm(4\% + 5 \text{ digits}) @ > 10\text{nF}$
- IRT Emissivity: Fixed at 0.95
- Temperature Range (via "K" type thermocouple) / Accuracy: -58° to 1112°F (-50° to 600°C) / $\pm(2\% + 2 \text{ digits})$

- Temperature Range (via integrated IRT)/Accuracy (CM770 only): -58° to 1112°F (-50° to 600°C)/ $\pm 4.5^{\circ}\text{F}$ from -4° to 32°F; $\pm(1.5\% + 3.6^{\circ}\text{F})$ from 32° to 662°F
- Duty Cycle Range / Accuracy: 1 to 99% / $\pm 3\%$
- Maximum Resolutions: 0.1A (CM600), 0.01A(CM700/CM770), 0.1mV, 0.1 Ω , 0.01Hz, 0.001nF, 2°F/1°C, 0.1%
- Clamp Jaw Opening: 1.65 in. (42mm)
- Dimensions of CM660/CM700: 8.86 x 3.31 x 1.30 in. / (225 x 84 x 33mm)
- Dimensions of CM770: 9.37 x 3.62 x 1.97 in. (238 x 92 x 50mm)
- Weight (including batteries): 14.8 oz. (420g) Power Source (included): 3 "AAA" batteries(CM660, CM700); 3 "AAA " batteries + 2 "LR44 "batteries (CM770)

INCLUDES:

- Double-Insulated Test Leads with Screw-On Alligator Clips
- "K " Type Stem Thermocouple Probe And Plug Adapter
- Batteries
- Soft Pouch
- User 's Manual