

AC Circuit Analyzer

Ideal for identifying 110/220VAC power circuit and wiring problems that can cause shocks, sparks, fires, equipment failures and poor equipment performance

Features & Benefits:

- Measures a branch circuit's line voltage, peak voltage and neutral-to-ground voltage
- Calculates a circuit's voltage drop in response to 12A, 15A and 20A loads
- Measures the impedance of hot, neutral and ground conductors as well as available short-circuit current (ASCC)
- Identifies wiring configurations and detects wiring faults and missing ground wires
- Tests the reliability and response time of GFCIs (ground fault circuit interrupters) and RCDs (residual current devices)
- Displays True RMS readings of all voltages except peak voltages
- Works with 2- and 3-phase circuits
- Jumbo LCD with 30-second backlight
- Familiar menu/sub-menu operation
- Data HOLD button and 30-minute auto power off
- Powered by six "AAA" batteries (included)
- 1 year limited warranty



The short test cable improves voltage-drop measurement accuracy



No. CA10



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| Specifications: | | | |
|--|---------------------------------------|----------------------------|--------------------|
| Parameter | Measurement Range | Measurement Accuracy | Display Resolution |
| Line Voltage | 85 to 265VAC | $\pm 1.0\% \pm 0.2V$ | 0.1V |
| Peak Voltage | 121 to 374VAC | $\pm 1.0\% \pm 0.2V$ | 0.1V |
| Line Frequency | 45 to 65 Hz | $\pm 1.0\% \pm 0.2Hz$ | 0.1Hz |
| Voltage Drop | 0.1 to 99.9% | $\pm 2.5\% \pm 0.2\%$ | 0.1% |
| Load Voltage | 10 to 265V | $\pm 2.5\% \pm 0.2V$ | 0.1V |
| Neutral-to-Earth Voltage | 0 to 10VAC | $\pm 2.5\% \pm 0.2V$ | 0.1V |
| Hot, Neutral and Ground Line Impedance | 0 to 3 Ω | $\pm 2.5\% \pm 0.02\Omega$ | 0.01 Ω |
| | >3 Ω | NA | |
| GFCI Triggering Time | 1ms to 6.5 sec. | $\pm 1.0\% \pm 2ms$ | 1ms |
| RCD Triggering Time | 1ms to 6.5 sec. | $\pm 1.0\% \pm 2ms$ | 1ms |
| RCD Triggering Current | 30 to 37mA | $\pm 1.0\% \pm 0.2mA$ | 0.1mA |
| Operating/Storage Temperature | 32° to 122°F (0° to 50°C) @ <80% RH | | |
| Dimensions | 7.6 x 3.1 x 1.5 in. (193 x 78 x 39mm) | | |
| Weight (without Batteries) | 10.4 oz. (295g) | | |

Includes:

12 AWG, 20 in. (0.5m) Long Test Cable, 6 "AAA" Batteries, Soft Carrying Case, User's Manual, 1 Year Limited Warranty



LCD is backlit for easy reading in dark places



The CA10 comes with a durable, soft canvas carrying case



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