

CT100

Fast, Precise Automotive Circuit Testing

The TOPDON CT100 Automotive Circuit Tester is designed for fast, reliable electrical diagnostics. Featuring a clear digital voltage display, built-in load testing capability, and audible and visual alerts, it helps technicians and DIY users quickly verify circuit integrity, identify power issues, and locate faults with confidence. Compact, accurate, and easy to use, the CT100 supports a wide range of automotive electrical testing tasks—from routine maintenance to troubleshooting and accessory installation.



Features

- **Professional Load Testing:** Built-in load bulb helps verify circuit integrity and quickly identify weak connections, voltage drops, and wiring faults during troubleshooting.
- **High-Accuracy Voltage Measurement:** Provides $\pm 0.1V$ accuracy from 3.3–60V and $\pm 0.2V$ from 60–65V with a real-time digital display for clear, reliable voltage readings during diagnostics.
- **Intelligent Polarity Identification:** Dual-color backlighting clearly indicates positive and negative polarity, with on-screen $\pm$ indicators that help prevent reverse connections and support safe, confident testing.
- **Audible and Visual Safety Alerts:** Audible and visual alerts provide immediate feedback for conditions such as high voltage, overheating, and reverse polarity. A power-on tone also helps confirm circuit continuity without constant screen monitoring.
- **Interchangeable Probe Connections:** Standard 4mm banana jacks allow quick switching between clips and probes for different testing needs. The heavy-duty alligator clip is built for durability and consistent performance during repeated use.
- **Extra-Long Cable for Flexible Testing:** The 12.5-foot cable provides greater reach when working around vehicles, while the tester's compact design is convenient for both shop and mobile diagnostic environments.

Specs

- Voltage Measurement Range: DC 3.3–65V
- Measurement Accuracy:
 - 3.3–60V: $\pm 0.1V$
 - 60–65V: $\pm 0.2V$
- Measurement Resolution: 0.1V
- Load Test Operating Range: DC 5–30V (Max. 1.2A)
- Working Temperature: $-10^{\circ}C$ to $50^{\circ}C$ ($14^{\circ}F$ to $122^{\circ}F$)
- Storage Temperature: $-20^{\circ}C$ to $70^{\circ}C$ ($-4^{\circ}F$ to $158^{\circ}F$)
- Cable Length: 12.5 ft (3.8 m)
- Display Type: Backlit digital display

What's In The Box

- CT100 Tester
- 2mm Probe
- Alligator Clip
- Adapter
- Carrying Bag
- Quick User Guide



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