

Raptor Scientific designs and manufactures a wide variety range of ohmmeters and multimeters for measuring the resistance and stray voltage in a weapon system's multiple electrical circuit paths.

Over the past 40 years, Raptor Scientific has designed and delivered more than 5,000 igniter circuit testers (ICT) without a single unintended detonation.

Clients include:

- DoD & NASA funded research labs
- Launch system and spacecraft contractors
- Aircraft manufacturers
- Domestic and international airlines
- Allied armed forces worldwide



ICT Series



Igniter Circuit Testers

A Unique Approach to Safety

Raptor Scientific offers redundant circuits and mechanisms, going beyond the single point of failure methodology to guarantee that test current remains less than one-thousandth of the device's firing current. We bring the capability and experience to design fail-safe and accurate testers. Every one of our weapon system circuit testers incorporates a sealed "fail safe" module which limits test current to safe levels even if every active element in the measurement circuit fails simultaneously.

Why choose Raptor Scientific ICT's?

- **Total Safety** - Our unique approach to safety includes redundant circuits and mechanism to guarantee test current remains orders of magnitude below firing content
- **Quality Assurance** - Raptor's certification is universally recognized as the highest standard available
- **High Performance** - Ensure the successful performance of your program with accurate measurement and balancing

A Customized Total Solution

Our weapon circuit tester is a COTS system available in several test point configurations, providing a complete turnkey solution to meet customer needs.

- Custom UUT
- Calibration kit
- Customized rack
- Cables Customer weapon interfaces
- Barcode Scanner
- Computer options and software

Applications

- **OEM Subassembly Level Testing** - Used to verify the electrical integrity of subassembly components before they are integrated into the weapon system.
- **OEM System Level Testing** - For performing weapon-level electrical integrity testing before delivery to the customer
- **Field Level Testing** - Used in the conduct of both field and depot-level electrical integrity tests before troop deployment of integration with a launch platform.