RAPTOR SCIENTIFIC

ICT Series

Global Provider of Test & Measurement Solutions

Raptor Scientific manufactures a variety of Igniter Circuit Testers for testing of squibs and other electro-explosive circuits.

101-SQB-SG Measurement

Full-Scale	10Ω + 5% overage
Resolution	0.0001 Ω
Accuracy	0.01 % Full Scale
Nominal Test Current	1.6 mA
Failsafe Current	10 mA
UUT Measurement Wiring	4-Wire Sense/Excitation

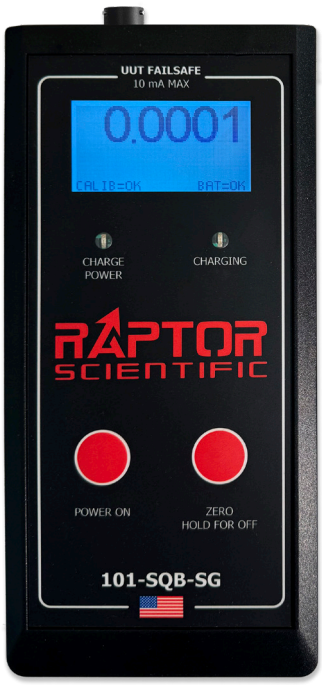
Power

Battery Type	Proprietary Lithium-Ion
Charger Power	Primary: 90-240VAC @ 0.5A Secondary: 5VDC @ 2A

Physical

Weight	1.5 lbs. 4.5 lbs. (w/ case)
Dimensions	10 x 5 x 2 inches 14 x 10 x 6 inches (w/ case)

Model 101-SQB-SG Resistance Meter



The 101-SQB-SG is Space Electronics' new portable single range igniter circuit tester. This tester builds on our legacy of designing products for critical military, aerospace, and industrial applications which utilize squibs and other explosive devices with the capability to safely test the ignitable circuitry without risk of detonation. Despite the ultra-portable package, we have maintained the multiple layers of operator safety present on the rest of our SQB product line while increasing accuracy.

This tester has a full-scale range of 10Ω but has the same accuracy as our other testers 2Ω range. The higher full-scale range of the 101-SQB-SG adds the versatility needed to measure more circuit paths in your test articles while improved accuracy and resolution gives the tester superior performance when measuring both single and parallel squib configurations.

A high-performance analog front end connects to a precision 24-bit ADC while digital filtering and calibration allow for unparalleled reading stability during measurements. Measurements are displayed on a 3.2-inch backlit transflective LCD allowing for readability in both extremely dark and bright conditions.

A single 6-pin Mil-Spec circular connector is utilized for test leads and battery charger jack, making it physically impossible to simultaneously connect the AC/DC charger while measuring with the test leads. After a full charge, you can expect over 24 hours of accurate meter operation.

RAPTOR SCIENTIFIC
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