



LEADING WITH INNOVATION



# RIGAKU KT-100S HANDHELD LIBS ENVIRONMENTAL & RUGGEDNESS TESTING RESULTS

Below is a table summarizing test results of the Rigaku KT-100S™ handheld metal LIBS analyzer for ruggedness and reliability. The KT-100S was designed to withstand the toughest conditions in high stress environments providing little to no downtime for users.

TEST	SUMMARY
Low Temp Storage	-20°C for 7 days
Humidity	Ten 24-hour cycles of +30°C/60°C, 95% RH
High Temp Storage	Basic hot, induced for 7 cycles
Low Temp Operational	0°C for 60 minutes
High Temp Operational	40°C for 60 minutes
Thermal Shock	Four 2-hour cycles of -30°C / +60°C
Shock, Bench Handling	4" drop on bench
Mech Shock	40G, 11ms, 3 axes
Vibration	Comp wheel, 1 hr/axis, 3 axes



**CERTIFIED TO U.S. MILITARY STANDARDS, MIL-STD-810G & IP-54**



**Rigaku Analytical Devices**  
 Toll Free: +1 855.785.1064  
 Direct: +1 781.328.1024  
 Email: handhelds@rigaku.com  
 www.rigaku.com/KT100S