

BRIDGING THE GAP: LABORATORY JSECST™



PROVEN PERFORMANCE, SIZED FOR LAB APPLICATIONS

Textron Systems' Joint Service Electronic Combat Systems Tester (JSECST) is utilized for flight line and flight deck testing by every branch of the U.S. military, as well as numerous countries around the world. Now, the system is available in a configuration designed specifically for laboratory applications. The best of both worlds, the Lab JSECST can test aircraft combat systems on the flight line or in the laboratory – giving users the confidence they need in their mission-critical systems.



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USED AROUND THE WORLD, FROM THE FLIGHT LINE TO THE LAB

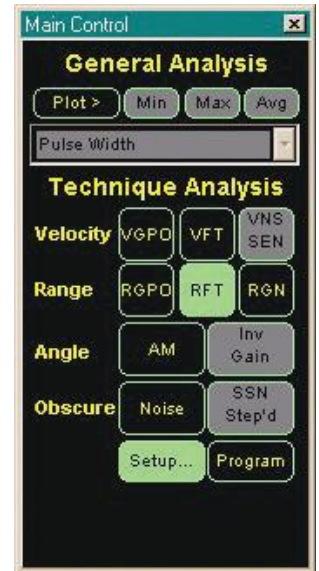
Scaled to fit a standard 19-by-19-inch rack, the Lab JSECST is a fully programmable stimulus and measurement system that supports vertical electronic combat system testability in the laboratory or maintenance depot.



Textron Systems' exclusive measurement software provides fully automated analysis of complex jammer responses.



Our build-threat graphical user interface allows easy emitter programming.



Users can analyze complex jammer responses at the click of a button.

FEATURES

- Lab JSECST's 17 printed circuit board assemblies are configured in a rack-mountable chassis.
- Exclusive build-threat program simplifies the creation and simulation of complex threats.
- Unique measurement software provides fully automated analysis of complex jammer responses.
- Two-channel stimulus generates up to 16 emitters for frequency, pulse width, pulse repetition interval and scan pattern models.
- Includes maintenance software for self test, calibration, alignment and path compensation.

Electronic warfare analysts constantly receive new signal intelligence and threat data. Lab JSECST keeps up by allowing users to quickly test, view and analyze jammer responses using a virtual spectrum analyzer, oscilloscope and timeline technique display. State-of-the-art displays and easy-to-use graphical interfaces provide users unprecedented visibility into the performance of the jammer.

Proven in use across numerous platforms for customers around the world, the Lab JSECST brings all the same capabilities to the laboratory environment.

SPECIFICATIONS

Part Number:
40469-40100-10

National Stock Number:
6940-01-619-8416

Specifications subject to change without notice.

STIMULUS PERFORMANCE REQUIREMENT

- Frequency range: 500 megahertz (MHz) to 18.5 gigahertz (GHz)
- Power output range: 20 to -70 dBm
- PRI range 1 microsecond to 100 milliseconds (msec)
- PW range: 50 nanoseconds to 100 msec
- Multiplexed emitters: up to eight per radio frequency source

MEASUREMENT PERFORMANCE REQUIREMENTS

- Frequency range: 500 MHz to 18.5 GHz
- Overall dynamic range: -70 to 20 dBm
- Acquisition bandwidth: 130 MHz, or greater than 400 MHz with compression
- Digitizing rate: 300 Msamples/sec.

Textron Systems

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