

TEST, TRAINING & SIMULATION

LABORATORY JSECST™

UTILIZED FOR FLIGHT LINE AND FLIGHT DECK TESTING

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. 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.



USED AROUND THE WORLD

FROM THE FLIGHT LINE TO THE LAB

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

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 MHz to 18.5 GHz

PW RANGE

50 nanoseconds to 100 msec

POWER OUTPUT RANGE

20 to -70 dBm

PRI RANGE

1 microsecond to 100 msec

MULTIPLEXED EMITTERS

Up to eight per radio frequency source

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.
- > Includes maintenance software for self test, calibration, alignment and path compensation.
- > Two-channel stimulus generates up to 16 emitters for frequency, pulse width, pulse repetition interval and scan pattern models.

MEASUREMENT PERFORMANCE REQUIREMENTS

FREQUENCY RANGE

500 MHz to 18.5 GHz

PW RANGE

50 nanoseconds to 100 msec

ACQUISITION BANDWIDTH

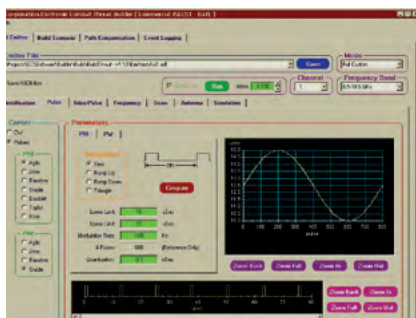
130 MHz, or greater than 400 MHz with compression

DIGITIZING RATE

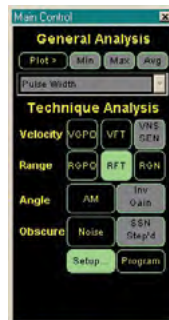
300 Msamples/sec.

OVERALL DYNAMIC RANGE

-70 to 20 dBm



Our build-threat graphical user interface allows easy emitter programming



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



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

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SCAN FOR
PRODUCT DETAILS

