ITASS

INTEGRATED TESTER FOR AIRCRAFT SURVIVABILITY SYSTEMS

The Integrated Tester for Aircraft Survivability Systems (ITASS) verifies radar warning receivers, missile warning systems, laser warning systems and other radio frequency (RF) systems onboard aircraft, providing operators the tools they need to confidently validate the operational status of the systems.

TextronSystems.com

TEXTRON Systems

PUSHING PAST POSSIBLE

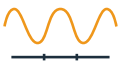
PROVIDING CONFIDENCE AND RELIABILITY THROUGH TOTAL SPECTRUM TEST AND TRAINING SOLUTIONS

ITASS can be utilized to simulate radar threats and automatically verify system responses between 0.1-18 gigahertz (GHz) and 26-40 GHz, comprehensively addressing all significant frequency ranges. ITASS can be utilized to simulate IR missile and hostile fire threats in both ultraviolet (UV) and two-color IR. Pulsed and continuous wave laser threats, laser designator, laser range finder and laser beam rider also can be simulated to verify laser warning systems.

User-friendly software allows test scenarios to be constructed, pre-programmed and executed easily. With setup times of five minutes or less, technicians can conduct complete aircraft pre-flight checks quickly and reliably. Go/no-go test results are automatically displayed.

SYSTEM PERFORMANCE

OPERATING RANGE
10 - 60 FT



FREQUENCY RANGE
100 MHz - 18 GHz
26 - 40 GHz

ACCURACY
± 2 dBm, RELATIVE

LASER WAVELENGTH
905 nm
1550 nm

PHASE NOISE
-60 dBc at 10 kHz
offset at 9 GHz carrier

FREQUENCY SWITCH SPEED
5 µsec, multiple
200 µsec, single

MAXIMUM PROFILE DURATION
>32 sec

EXTERNAL POWER
+15 VDC, 52 W, 3.5 A nominal
(+20 VDC max, non-isolated)

BATTERY
14.4 V rechargeable lithium ion
2+ hrs of operation

WEIGHT
21 lb with battery

DIMENSIONS
16.8"L x 13.0"W x 9.75"H

ACCESSORIES
Tripod included

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