ATS-3100 RTS for Airborne Radio Test

Flexibility to Test Legacy and Modern Radios on a Single, Standard Platform

Maximum Return on Investment

Extend the life of your airborne tactical radios, both legacy and modern, with the ATS-3100 Radio Test Set (RTS) - the standard solution for airborne military radio test.

The ATS-3100 RTS is a PXIe-based, benchtop, software-defined platform, handling the work of multiple instruments to verify the functionality of today's most widely-used, airborne, tactical radios (i.e. ARC-231, ARC-210, ARC-201), whether legacy or modern, from virtually any Original Equipment Manufacturer (OEM).

Developed with the user in mind, the ATS-3100 RTS and the portable, CTS-6010 share a common software framework and test executive. This synergy from depot to field allows the user to focus on the task at hand and increase overall operational efficiency.

Designed for Maintainability and Expandability

The ATS-3100 RTS is built with modular system architecture which features design for maintainability and the capability for future expansion.

Ideal for use with:

ARC-231

ARC-210

ARC-201

KEY BENEFITS

- **Complete solution -** test airborne and ground radios, both legacy and modern, from multiple OEMs

- **Maximum return on investment -** extend the life of your legacy radios with headroom to test modern radios

- **GRM-122 replacement -** plug and play support for GRM-122 TPSs and cable sets

- **Standardized platform -** one tester ideal for ARC-231, ARC-210, ARC-201 and more

- **Synergy from depot to field -** common test executive and software framework

- **Reduced downtime -** minimum MTTR and rapid automated calibration

- **Flexibility to customize -** expandable PXIe-based platform

- **Long-term partner -** nearly 60 years of expertise in test and integration solutions

Due to its unique design, ATS-3100 RTS boasts exceptional Mean Time to Repair (MTTR) with easy, in-and-out access to the two primary Line-Replaceable Units (LRUs) and rapid, automated calibration.

In addition, the design of this platform provides room for future expansion, both in hardware and software, so you have headroom for growth as technologies evolve and your needs change.

Keep Equipment Deployed.

Plagued by costly No-Fault-Found (NFF) returns taking your valuable assets out of service for months? The ATS-3100 RTS has built-in capability to perform a wide range of tests to identify failure root cause, allowing you the capability to repair in-house without buying additional equipment or simply "doing without".

Features Customized for You.

The ATS-3100 RTS has a single, low-cost PXIe module which contains the entire Radio Frequency (RF), Analog, and Digital Subsystems performing complex measurement and stimulus signal processing functions. Additional features include:

- Easy access to the two, primary LRUs for repair
- Frequency range from 1 MHz to 6 GHz
- Wide modulation bandwidth up to 200 MHz
- Intuitive Graphical User Interface (GUI) and Test Executive

The ATS-3100 RTS contains two primary LRUs with room for expansion providing a complete solution for radio test in any industry.

- Low-cost, two-hour automated calibration and verification
- Reconfigurable and expandable
- PXIe-based platform

Your Long-Term Partner.

With nearly 60 years of expertise in the test field and a proven track record of providing leading-edge Radio Test Solutions, Astronics Test Systems knows what it takes to support a product for decades. Radio tester design and Test Program Set (TPS) development are core competencies of Astronics Test Systems which solidify its commitment to custom, integrated solutions for years to come.

From the Test Systems Experts.

Astronics Test Systems has provided military, aerospace, semiconductor, medical, and a host of other industry customers with test instruments since 1961. The ATS-3100 RTS brings all of our test system development wisdom to you in one, integrated solution.

Get Started Today

For additional details, please contact Astronics Test Systems.

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COMMON SOFTWARE FRAMEWORK AND TEST EXECUTIVE

The ATS-3100 RTS (left) and the CTS-6010 (right) enable seamless transition from depot to field due to a common test executive and software framework.