RATS - Reconfigurable Avionics Test Set

Multipurpose avionics test set designed to meet the evolving test requirements of computer based avionics systems

The RATS is a multipurpose avionics test set designed for testing a variety of computer based avionics systems. The RATS is equipped with a ruggedized computer and software configurable interface electronics that provide the user with a flexible set of capabilities when testing avionics systems.

Applications
- Preflight checks
- Loading munitions Operational Flight Software (OFS)
- Periodic maintenance checks

Current configurations supports ATACNAV, Griffin, Pyros, Small Guided Munition, Common Launcher, Smart Launcher and others.

Features:
- Integrated GPS L1/L2
- External High Gain GPS Antenna
- Ruggedized computer
  - Touchscreen
  - Daylight Readable Display
  - Certified to MIL-STD 810G
  - Certified to IP65
  - Certified to MIL-STD-461F
- DS-101 Key Fill Port
- Manual SAASM Zeroize Capability
- System Reprogramming Capability
- Instrumentation Data Output
- Automatic Test Log Generation
- Self Contained
  - Includes Interface Cabling
  - Integrated Pelican Case
- Man portable
- Supports Multiple Avionics Systems
  - INS/GPS Navigation Systems
  - Smart Guided Weapons
  - Smart Launch Systems

Specifications:
- Power
  - 110VAC
  - 300 Watts
  - 50-60 Hz
- GPS
  - L1/L2 Reference Receiver
  - 50 Foot RF Cable
- Temperature
  - Operating: -20°C to +60°C
  - Storage: -40°C to +70°C
- Form Factor
  - 20.62” x 16.87” x 8.12”
  - <30 to 65 lbs
- Minimal RF Emissions
  - No WiFi
  - No Bluetooth
- Test Functions
  - GPS RF
  - BIT Monitoring
  - Communications
  - Sub-system Status
  - Reprogramming

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