

**YOUR NEXTGEN  
AVIONICS LEADER**

## **FT-9000 ADS-B RAMP TESTER**

**PORTABLE, COMPREHENSIVE DATA VERIFICATION  
TESTING FOR ADS-B UNIVERSAL ACCESS  
TRANSCIVER (UAT) AND INTERFACED SYSTEMS**

- **All-in-one verification of UAT output, GPS and altitude accuracy and other parameters**
- **Provides low power test signals for ADS-B In verification**
- **Rugged, compact and portable battery-powered test unit**
- **Simple connection to 978 MHz broadcast link**
- **Included easy-to-use software for fast analysis**

The FreeFlight Systems FT-9000 is a compact and comprehensive test unit for Universal Access Transceiver (UAT) based ADS-B installations. The portable battery-powered unit easily connects to the aircraft 978 MHz broadcast link to obtain data from the UAT and interfaced avionics and to transmit low power ADS-B signals back to the aircraft to test ADS-B In. The FT-9000 connects via WiFi to a PC running the supplied diagnostic software to display the UAT data transmitted. GPS position and velocity, air/ground indication, diversity mode, design assurance level and other key information are quickly and easily viewed, analyzed and captured for reporting.

The FT-9000 is an invaluable tool for avionics departments to verify rule compliance of UAT installations as aircraft owners in growing numbers equip to meet the Jan. 1, 2020 equipage deadline.



**FT-9000 ADS-B RAMP TESTER**  
(front panel view)

**For additional product information and  
specifications, please visit our website  
[www.freeflightsystems.com](http://www.freeflightsystems.com)**

## FT-9000 ADS-B RAMP TESTER

### SPECIFICATIONS

|                               |   |
|-------------------------------|---|
| <b>Part Number:</b>           | 87191-00  |
| <b>Equipment Type:</b>        | Universal Access Transceiver (UAT) Tester                                   |
| <b>Receive Frequency:</b>     | 978 MHz   |
| <b>Transmit Frequency:</b>    | 978 MHz   |
| <b>Transmit Power:</b>        | less than 1 Watt  |
| <b>Receive Sensitivity:</b>   | -95 dBm   |
| <b>Antenna Connector:</b>     | SMA female  |
| <b>WiFi Antenna</b>           | Internal  |
| <b>GPS Antenna</b>            | Internal  |
| <b>GPS:</b>                   | Commercial NMEA 0183 GPS  |
| <b>Power:</b>                 | Internal rechargeable lithium >2.4 Ah battery pack                          |
| <b>Power Connector:</b>       | Micro USB (for charging)  |
| <b>User Interface:</b>        | Transmit Status LED<br>Receive Status LED<br>WiFi Status LED GPS Status LED |
| <b>Dimensions:</b>            | 8.05X8.74X3.04(HxWxLin)   |
| <b>Weight:</b>                | 2.3 lb  |
| <b>Operating Temperature:</b> | -20°C to +60°C  |
| <b>Storage Temperature:</b>   | -20°C to +50°C  |



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