

### Physical Specifications

Height	1.53 in
Width	3.06 in
Length	4.77 in
Weight	1.25 lbs

### Electrical Specifications

Power	0.978 Watts
Voltage	2.5-4 VDC (battery)
Input current	0.8 Amps

### UAT Performance Specs

TSO Compliance	
	Obtaining TSO-154
Frequency	978
Tx Power	10 watts
Frequency Tolerance	
	+/- 20 ppm
Modulation	
	Continuous Phase Frequency Shift Keying

### GPS/WAAS Receiver Specs

TSO Compliance	
	Obtaining TSO-C145a (RTCA/DO-229C)
Chipset	SiRF Star III
# of Channels	20
Frequency	
	L1, 1575.42 MHz
Sensitivity	-159 dBm
Lat/Long Position Accuracy	
	10 meters, 2D RMS 5 meters, 2D RMS, WAAS enabled
Velocity	
	515 meters/second (1000 Kts) max
TTFF (Time to First Fix)	42 sec. avg
Reacquisition	0.1 sec. avg
Datum	WGS-84



**Automatic Dependent Surveillance Broadcast**, known as ADS-B, is the future for all aircraft. The ADS-B system is destined to become a nationwide requirement for all aircraft flying in United States air space. DTI, a proven leader in the development of new technologies for both manned and unmanned aircraft, introduces a new lightweight simple to use ADS-B transmission system. **DTI's ADS-B** system is fully compliant with TSO-C154b.

#### What is ADS-B?

- Automatic Dependant** No pilot input required. Uses accurate position and velocity data from aircraft's navigation system (example GPS).
- Surveillance** Provides aircraft position, altitude, velocity, and other data to facilities that require the information.
- Broadcast** Any appropriately equipped ground station or aircraft can monitor the ADS-B signal.

The **DTI ADS-B** is a portable stand-alone device that weighs less than two pounds. No upgrades to your aircraft would be required to comply with new regulations. Simply place it in the cockpit and turn it on. Operation of the unit can be determined by four LEDs on the front of the unit. The GPS sub-system will link up with GPS satellites allowing the pilot to fly the plane while the **DTI ADS-B** broadcasts position, altitude, velocity and other data in a standard ADS-B stream every second during flight.

The **DTI ADS-B** is powered by internal batteries and does not require an external power source. It incorporates one GPS antenna on its outer casing or one remote GPS antenna for users who prefer an externally mounted antenna.

**DTI ADS-B** units come complete with transmission antenna, GPS antenna, mounting bracket and instruction manual. The unit comes with tail numbers and aircraft information encoded in the unit.



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