

DSAT-300

SYSTEM BENEFITS

- Global flight following, text, and data transfer
- Cost effective solution for contract/regulatory compliance
- Remote configuration using SkyWeb
- Lightweight all-in-one solution
- No installation required
- Bluetooth enabled for wireless connection to PDA for email messaging

HARDWARE FEATURES

- Three antenna configuration options including:
 - Integrated combination antenna – place the hardware near a window with a view of the sky
 - External fixed combination – install SkyTrac's TSO'd combo antenna on the exterior of the aircraft
 - Portable GPS and Iridium – separate portable antennas are available for maximum flexibility
- 60 + hours of operation on battery power (performance depends on ambient temperature/condition and reporting interval)
- Power adapter included for operation via aircraft cigarette lighter receptacle
- Bluetooth enabled for text messaging/email
- Emergency mode/mayday configuration

VIEWING SOFTWARE

- Web based mapping and asset management
- Hardware management console to remotely activate and configure units
- Multiple 2D and 3D map options from Google and Microsoft



DSAT-300

TRUE PORTABILITY

The DSAT-300 is SkyTrac's next generation portable transceiver for worldwide flight following and text messaging using the Iridium Satellite Network. With an optional integrated antenna, this all-in-one solution requires no installation. The DSAT-300 can operate on battery power for up 60 + hours or on aircraft power via accessory adapter. Gain contract/regulatory compliance with the most cost effective aviation grade tracking and messaging solution in the market.



Dual GPS/Iridium Antenna



	Dual Antenna (Fixed or Integrated)	Iridium Antenna (Portable)	GPS Antenna (Portable)
GPS Antenna	Active L1	-	Active L1
Iridium Antenna	Passive	Passive	-
Radome	Low profile molded	Low profile molded	Low profile molded
Power Handling	1 W (GPS) ; 30 W (Iridium)	28 W	1 W
Dimensions	H x W x D = 0.72"x2.2"x5" (18.3mm x 56mm x 127.7mm)	H x D = 0.57"x2.1" (14.5mm x 53.3mm)	H x W x D = 0.5"x1.3"x1.7" (13.3mm x 33mm x 43.0mm)
Weight	8.0 oz (226.0 g)	3.7 oz (104.9 g)	2.99 oz (85.0 g)

GPS Receiver

Receiver	12 Channels, Parallel
Acquisition Time	48 sec (cold start) 0.1 sec re-acquisition
Position Accuracy	Better than 25 m
IRIDIUM Service	Short Burst Data (SBD)
Operating Frequency	1616 MHz to 1626.5 MHz

DSAT-300 Specifications

Power Requirements	12 to 30 VDC
Battery	4.8 Amp Hours
Power Consumption	.5 A typical, 1.5 A in transmission @ 28 VDC
Operating Temperature	-20°C to +55°C
Dimensions	HxWxD = 2"x5"x7" (51mm x 78mm x 127mm)
Weight	2 lbs (907g)
Cooling	Normal airflow