

**Sky Connect Tracker III/
Flight Data Monitoring (FDM)**

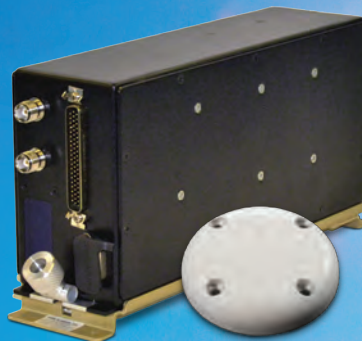
Honeywell



**Flight data acquisition, capturing and monitoring.
Meets FAA requirements for FDM.
Customer configurable parameter settings.**

Sky Connect Tracker III is a powerful tool for capturing and managing your flight data needs

A complete system that helps you manage your fleet and capture critical flight data
Provides FDM compliance for FAA rule 135.607 for HEMS operators.



Key Features

- Captures core parameters including: air speed, attitude, fuel flow, torque, temperature, oil pressure
- Ability to capture an additional 70 recorded parameters
- Easily downloaded data provides for quick analysis and maintenance decision making
- Reliable, globally-available Iridium satellite mission management system
- Concurrent talk, text and tracking in a single dual channel box
- Real time, secure, position reporting and event alerting for true fleet situational awareness

Product Specifications

ITEM	SPEC
Basic Transceiver Specs:	Dual Channel (Voice, Tracking, and Messaging)
Regulatory Compliance:	DO160F (Including +55000 Alt, +85/-55 Temp)
Weight:	4.4 lbs. Max. (Modem dependent)
Length / Width / Height	10.25 Inches L / 2.9 Inches W / 4.8 Inches H
Power Requirements:	12-32VDC, 2.5 Amp @ 28VDC, 3.5 Amp @ 14VDC
Transmit Power Average:	1.5 watts per LBT
Mounting:	Quick release tray, 4-#8 holes, any configuration
Transmission rate:	2.4Kbps voice and data (10Kbps with compression)
Operating Frequency:	1.616-1.6265 GHz
Inputs/Outputs:	POTS (Plain Old Telephone Service) / 4 Wire Audio output 5 ea. RS232 Ports (Msg, GPS/Aux, PC, Sim1/2) 2 ea. ARINC 429 Inputs, 1 ea ARINC 429 Output 8 ea. discrete inputs 0-36VDC. Sink 200ma Max. 4 Discrete outputs, Max Voltage, 36VDC, sink 200ma 1 ea. USB - PC Data connection 1 ea. Ethernet Port for configuration

Data Position

GPS Data	Tracking source prioritization/redundancy allows simultaneous use of 3 separate GPS sources
GPS External ARINC429:	
Hi/Lo Speed	<ul style="list-style-type: none"> • Altitude, Lat/Lon, Track, Ground Speed, Cross track error, Desired Track • Distance to waypoint, Bearing to waypoint, magnetic variation • Flight Plan data
Recording Rate	User configurable
GPS External RS232:	
9600 Baud	Garmin, Honeywell, Trimble and other standard ADF formats
4800 Baud	NMEA
Recording Rate	User configurable
GPS Internal:	
NMEA Messages	GSV, RMC, GSA, GGA, GLL, VTG, TXT
Recording Rate	User configurable
Flight Data Monitoring	
SD Storage	4GB accessible via the Ethernet Port
Recording Time	Varies with user selected params and rates, minimum ~350hrs
Temperature Monitors	4 with user selectable Over the air alert thresholds
Capacitive Keep Alive Circuit	Provides an additional minute of operation post power loss
Recorded Autonomous Events	Discrete Input activity, Call Logs, Signal Strength
Dual ARINC429 Inputs:	
User Selectable Recordable Labels	64
Additional GPS Labels Recorded	23
User selectable Sampling Rates	100ms-60s
OTA Alert Labels and sampling groups	4
Accelerometer:	
3 Axis	Orientation at user discretion
Recording Rate	User configurable
OTA Alert	User configurable thresholds

ISO9001 | AS9100C | AS9120A CERTIFIED COMPANY

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N61-1378-000-000

January 2015

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