

Automated FOQA, MOQA and ETM Systems for GA

GA-FDM
Fly with Intelligence.™

GA-FDM's affordable systems analyze Engine and Flight operational trends in real-time, then email what you need to know. Analysts review MOQA and FOQA files and send you detailed, easy-to-read summaries from our secure relational database. Now available with AHRS and air data for older aircraft, SatCom for Flight Following, and megapixel airborne network video.

What is GA-FDM?

- Real-time monitoring of engine (MOQA) health, and flight operational exceedances (FOQA or FDM) events
- Automatic FAA-approved CFR Part 135 Engine Trend Monitoring System, approved for Air Taxi use
 - ETOPS-like focus on single-engine health & safety
- 3G Broadband or WiFi from aircraft to Internet to you
- Auto-links to relational database with automatic post-flight upload, analysis and comprehensive reports
- Comprehensive, 80 to 175 parameter recording. Data is web-accessible; over 15,000 hours stored on-board.
- Self-contained AHRS for non-glass-cockpit aircraft
- Optional cockpit audio, digital video, and air data computer
- Optional SatCom for Flight Following and FDM event tags

Primary Benefits

- Reduced maintenance, operations and insurance costs
- Enhanced safety (FDM looks at key operational issues such as unstable approaches, rotor speeds, torque, engine wear, rotor vortex, hard landings, bank angle, oil usage, and more)
- Enriched training experience
- Embedded Engine Trend Monitoring for MOQA reports
- Improved fuel economy (fixed wing)
- Early awareness of issues *before* they occur
- Airframe resale reports (higher resale value)
- Reduced diagnostic time and cost for engine problems
- Reduced aircraft down-time / increased availability
- Forms the foundation of an effective AC 120-92 SMS

Automated Reports and Reminders

- Avmail™ and Fdmail™, sent to your PDA or desktop
- e-reminders and logbook summary of flight time, time before service, oil consumption, warranty reminders
- Replay any flight to enhance training, provide debriefs, and provide pilot mentoring
 - Auto-generated X-Plane™ (or user-specified) playback files and GoogleEarth™ trackfiles
- Regular monthly QA reports (operations, exceedances, fuel economy, maintenance, and more)



- Asset tracking
- O-O-O-I emails
- Fuel economy
- Data to support warranty claims
- Owner peace-of-mind



Why should I consider GA-FDM?

- Enhanced safety, cost savings, and professional FDM
 - FDM proven operationally to reduce accidents
 - MOQA provides confidence in single engine ops
- Proven, mature FDM system, now enhanced with Flight Following, voice and megapixel digital video options
- Significant enhancements for GA operations and safety



- Comprehensive, affordable, web-accessible FDM, with reports via WiFi, Broadband and/or Satcom links
- FAA certified and installed under STC; check our website, or call to discuss your requirements

How can I get more information?

- Visit <http://www.GA-FDM.com>
- Call or email us (contact information on reverse)
- Find a dealer at <http://www.GA-FDM.com>

GA-FDM provides a complete, low-cost end-to-end proven FDM solution

- Its not just a black box, its an integrated FDM program
- Affordable, embedded 'smart' recorder turns mountains of data into useable intelligence
 - Pre-programmed with over 200 FOQA and MOQA events to detect and report occurrences during each flight
 - Tailorable to your event sets
- Automated data retrieval, for hands-free simplicity
 - Reports emailed right to your smart phone, and uploaded to our servers
- Flight reviews, recommendations and assessments by FDM professionals
 - Executive Summaries, reports, event studies, replays, trackfiles
 - Cost-effective 3rd party FDM by professionals, for smaller fleets
 - Or, we export data to your FDM department's favorite tools
- Web-accessible tools and reports, 24/7
- Designed to fully integrate with your Safety Management System, to repeat key learnings and help you close the FDM Continuous Improvement Loop



Who we are:

GA-FDM is a team of avionics, maintenance and flight safety professionals dedicated to serving OEMs, pilots, owners, and operators

- Providing web-centric engine and flight analysis, plus expert pilot mentoring
- Experienced, proven FDM programs
- Iridium-based SatCom for Flight Following
- Airborne digital video and cockpit audio for training and homeland security applications



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Contact Information
GA-FDM
22 Piazza Lane Hopkinton, MA 01748
Phone: (774) 248-4964 Fax: (508) 435-3329
e-mail: sales@ga-fdm.com www.GA-FDM.com

GA-FDM helps owners and operators:

- Monitor and decrease the cost of flying
- Improve operational safety
- Meet CFR Part 135 requirements
- Conduct Flight Following including real-time FDM
- Predict and avoid maintenance issues
- Monitor and track airframe stress
- Implement Safety Management Systems
- Afford to have all the benefits of a professional FDM department without all the overhead costs

Ordering Information

- Digital Flight Data System (DFDS) P/N 500160
- Wireless Unit (specify Sprint, Verizon, AT&T or preferred carrier, or 802.11 WiFi) P/N 500175
- Crash-hardened Robust Memory Unit P/N 500171
- Airborne Digital Video subsystem P/N 500220
- Iridium-based SATCOM/Flight Following P/N 500235
- GA-FDM Analysis service; available with monthly or quarterly reports
- Air data interfaces and Cockpit Audio - contact us

GA-FDM: The blueprint for successful FDM programs™

For more details, or to request a quote, please contact us at www.ga-fdm.com/contact.php



DFDS (500160) with built-in AHRS



Wireless (in AS350) (500175)



RMU (500171)



Iridium SatCom AFF (500235)



Airborne digital video (500220)