Flight and Engine Data You Can Rely On.

IONode™ ION100 ETM1000

LATITUDE *Optimize every flight.*

AKV inc. Helicopter Solutions

Latitude is recognized as being the first flight data management solution provider to offer fleet operators full FOQA (Flight Operations Quality Assurance) capability in an affordable, easy to install and operate, and entirely integrated system.

IONode™ ION100
Lightweight Flight Data Recorder

An impressive amount of technology goes into this remarkably small box.

The lightweight IONode™ flight data management system will help you improve aircraft operating efficiencies, reduce maintenance costs, increase safety, and help grow your fleet's bottom line. The IONode is adaptable to all FDR, QAR, and other recording and reporting requirements, with built-in MEMS AHRS, IINS/WAAS, GPS, inclinometers, IMY, digital compass, serial BUS, analog, and digital IO.

The IONode ION100 is available with up to 32 GB of internal storage and triple redundant memory. The IONode is capable of recording hundreds of parameters and providing daily automatic summary reporting with Latitude Flight Data Anylitics. Data can be transferred from aircraft to fleet operations via Wi-Fi, USB thumb drive, or USB serial cable to a portable computer. (Wi-Fi available in the US under license.)

LATITUDE *Optimize every flight.*

AKV specializes in the design and manufacture of engine monitoring systems that include our widely recognized engine cycles counters and the recently added ETM1000 Exceedance and Trend Monitoring System.

ETM1000
Exceedence & Trend Monitor

The ETM1000 Exceedance and Trend Monitoring System is designed to provide an affordable solution to real time engine monitoring by providing a complete turn-key system including the airframe wire harness and graphing software.

The ETM1000 consists of modern technology in an affordable package that is easy to install and which provides the ultimate in assurance for operators. All engine parameters are continuously monitored and record the historical data with date and time stamp of normal conditions for trending purposes along with duration and peak value for exceedances. Instrument panel mounted pushbutton annunciators provide visual caution and warning indications, system health, and power check capability. Audible alert tones are provided to the pilot's headset for advance indication of impending exceedances. All data is continuously written to a removable SD card. Data can be transferred via Wi-Fi with an installed IONode ION100. Data can be easily viewed with the supplied graphing software or through Latitude Flight Data Analytics. (Wi-Fi available in the US under license.)

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For more information about the family of IONode lightweight flight data recorders and Latitude Flight Data Analytics, contact the Latitude sales team at sales@latitudetech.com

1.888.966.5599 T: 1.250.475.0203 F: 1.250.475.0204
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AKV inc. Helicopter Solutions

For more information about AKV Helicopter Solutions, contact the AKV sales team at sales@akvinc.com

T: 1.805.437.1739 F: 1.805.437.1783 www.akvinc.com

Get the complete picture: Your flight and engine data in one shared display.

With the combination of the ETM1000 engine monitoring system and the IONode ION100 lightweight flight data recorder you get unparalleled engine trend monitoring performance for legacy helicopters. This means you can view your entire flight with the Latitude Flight Data Analytics (LFDA) in 3D within the Google Earth environment, including all of your engine data from start-up to shut-down. Exceedance alerts can be uplinked via satellite for instant notification using email or text messages.

Latitude Flight Data Analytics

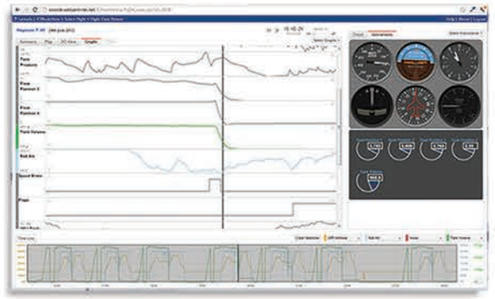
Latitude Flight Data Analytics is Latitude's web-based flight data monitoring platform. LFDA offers configurable graphical presentations of flight data from aircraft equipped with Latitude's IONode ION2, ION3/3a, or ION4 FDM system. LFDA users are able to view data from past flights as well as the most recent flight and can set event thresholds to report exceedances on a real-time and post-flight basis.

Per aircraft licensing with no user limits helps keep costs down and gives all your stakeholders access for separate analysis. LFDA provides valuable flight data performance and trending analysis – when, where, and how you want it. LFDA is an effective tool for your FOQA, safety, maintenance, and other fleet operation programs.

Fleet operators can now record and report dozens of flight and engine data parameters with a Latitude Technologies IONode™ ION100 lightweight flight data recorder and an AKV ETM1000 engine monitoring system installed on their aircraft. Flight and engine data can be delivered to multiple stakeholders immediately following touchdown. Add a SkyNode satcom transceiver and your operations and maintenance teams can receive automated flight and engine event alerts from the aircraft during flight.

The combination of AKV ETM1000 and the Latitude IONode™ ION100 offers:

- Quicker and easier engine data download from Wi-Fi, USB thumb drive, or USB serial cable
- Engine data displayed in Latitude Flight Data Analytics



Flight and engine data parameters include:

- GPS - Altitude, Ground Speed, Location
- Airspeed
- Pitch, Roll and Heading
- Yaw, Pitch and Roll Rates
- OAT - Outside Air Temperature
- MGT - Measured Gas Temperature
- Tq - Torque
- 40Kt Airspeed Switch
- Engine Run Time
- Engine Starts
- Pressure Altitude
- Flight Time
- N1 - Gas Producer
- N2 - Free Turbine
- Nr - Rotor RPM

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