EIT Avionics is pleased to announce progress for ESAID, FODR and HAT-R. All three products are in flight test. Product development has been intense over the last year. Graphics and touchscreen have been improved, plus detection and annunciation of Low G conditions has been added (Patent# 9,359,088). Further details and product specifications will be announced in anticipation of initial production on or about July 2018.

The FODR System refers to the Flight Operations Data Recorder modular system designed to digitally record data from aircraft and engine sensors and optionally interface with additional equipment.

It is intended to permanently record 2200 hours of operational data and provide owner/operator access to data for maintenance, enhance flight crew performance and flight training. FODR recorded data can assist in maintenance evaluation of airworthiness should exceedances occur. FODR recorded data can be fully integrated into SMS systems. FODR recorded data can assist crash investigation.

When interfaced with optional components, the FODR System can further enhance operational safety by providing real time display and aural annunciation of aircraft limitations by correlating dynamic flight conditions with published limitations (FAA approved data from Placards, RFM, POH) and display of radar altitude. This frees the pilot from referencing complicated charts in flight and enhances pilot situational awareness to avoid unintentional operational exceedances, hazardous flight conditions and mishaps.
FODR is a stand-alone unit which automatically records operational data. Optionally, it can be interfaced with a radar altimeter, and ESAID display. A USB interface is provided for maintenance access to download FODR data.

FODR records 24 channels of data 5 times per second. The installation kit is comprehensive and the wiring harness with all connectors is provided single-end terminated. Data can be downloaded via USB and a free data viewer is included. A data visualization tool will be announced shortly for an affordable annual subscription. Perfect for flight schools, fleet operators, private owners and anyone hoping to reduce maintenance costs and down time.

Flight Operations Data Recorder $6000 USD

ESOID displays non-required, safety enhancing data for use by the flight crew. Twice per second, ESAID provides secondary display of pneumatic and engine data. Additionally, rotor, engine, airspeed and altitude limitations are displayed in an intuitive graphic format. ESAID increases operational safety by providing annunciation of exceedances not provided by existing systems. ESAID displays an alert to the pilot in the event of an exceedance. ESAID displays height above surface information. A touchscreen (compatible with gloves) is used for menu selection and data input. ESAID provides aural alerts of exceedances to the flight crew when interfaced with existing aircraft audio. No pilot input is required during flight.

Add ESAID to FODR and get the power of FODR data in flight! ESAID calculates and graphically displays the critical R44 Raven II operational limitations that can be inadvertently exceeded in flight. ESAID detects and alerts Low G conditions at 0.5g (Patent #9,359,088). ESAID interfaces to your existing audio panel to provide aural alerts, such as VNE exceeded and Max Continuous Power. Perfect for flight schools, fleet operators, private owners and anyone hoping to enhance safety of flight.

Enhanced Situational Awareness Information Display plus FODR $15000 USD

HAT-R is an advanced radar system that measures height above surface using a single light-weight antenna. When interfaced with FODR plus ESAID, height above terrain is automatically displayed on ESAID and verbal altitude callouts are provided at 300, 200, 100, 60 and 15 feet. ESAID increases pilot awareness of descent during auto-rotations and normal approaches. Install HAT-R and increase your awareness of terrain clearance!

Height Above Terrain Radar plus FODR plus ESAID $21500 USD

Change the way you fly. Contact: info@eitavionics.com or 703-344-7410

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FEB 2018 all data subject to change.