

Health & Usage Monitoring Systems

The Perkins Technologies Data Acquisition & Alarm Monitor (DAAM) engine data logger is the world leader in low cost ECTM technology and allows pilots to easily and accurately record trend data.

The advanced technology of the DAAM system can be packaged to suit a wide range of fixed-wing aircraft and helicopters.

Discover all the ways we keep you flying at www.tae.com.au

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DAAM SYSTEM

TREND MONITORING

- Eliminates human error
- Trend data captured at press of the button
- DAAM Trend Software is capable of exporting Pratt & Whitney ECTM file
- Capacity to store up to 170 trend events between downloads
- The DAAM (Data Acquisition Alarm Monitor) System allows pilots to easily and accurately record trend data by the simple press of a button. The DAAM system then takes a simultaneous snapshot of all inputs, averaged over a 15 second period. The DAAM system effectively eliminates both manual recordings and paper to electronic data entry, giving you accurate trend data records.
- Once stored the trend data can be easily downloaded by maintenance personnel.

Using the DAAM Trend software, captured data can be exported to the P&W ECTM program or emailed directly to any third party and even backed up to the Perkins Technologies secure server for safe keeping.

EXCEEDANCE ALARMS

- Visual alert of exceedances via the cockpit display unit
- During an exceedance, data from all inputs is captured at high speed and stored permanently for later analysis
- Alarm history with peak value, duration and timestamp available on the cockpit display unit
- Exceedances can be analysed in detail with the DAAM System software
- Over 100 exceedance alarms stored before download required. Visual alert when exceedance memory is 75% full
- Optional pilot accountability by personal infra-red key fob
- The user friendly system alerts the pilot to any measured input exceeding pre-set limits, allowing immediate action to be taken to correct the exceedance
- The DAAM System consists of:
 - DAAM Logger with up to 13 aircraft specific engine / airframe sensors
 - DAAM Cockpit Display Unit
 - DAAM Pilot ID keyfob
 - DAAM system software
 - DAAM Trend Log Software.

DAAM ANALYSIS SOFTWARE

- Captured data can be analysed in graphical form in fine detail
- Data can be played back in real time
- Incorporates an Electronic Logbook
- Multiple aircraft managed within the program



THE DAAM SYSTEM WILL

- Track TTIS and ETSO hours
- Automatically display flight hours after each flight
- Monitor and log all events, cycles and exceedance alarms
- Provide accurate trend data records
- Help reduce maintenance costs through accurate maintenance scheduling
- Provide a practical addition to the log/hour meter that traditionally determines on-going maintenance schedules
- Continuously log engine and airframe parameters.

THE DAAM SYSTEM FEATURES

- Software compatible with Pratt & Whitney Engine Condition Trend Monitoring (ECTM) software
- Cockpit display unit visually alerts pilots to engine alarms
- Flight history is optionally tagged with pilot ID
- Secure online data backup facility
- 13 data acquisition channels
- At least 500 flights can be recorded before download is required.
- The real-time playback capability within the DAAM system software is useful for training purposes
- On-going technical support with the ability to email data to the TAE Support team for further assistance.
- Backed by 24 hour product support.

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