

Brite Saver 2: Usage Monitoring Flight Recorder



With over 20 years' experience in airborne products' design, production, installation and certification, NSE today offers systems and services to enhance flight safety and fleet management.

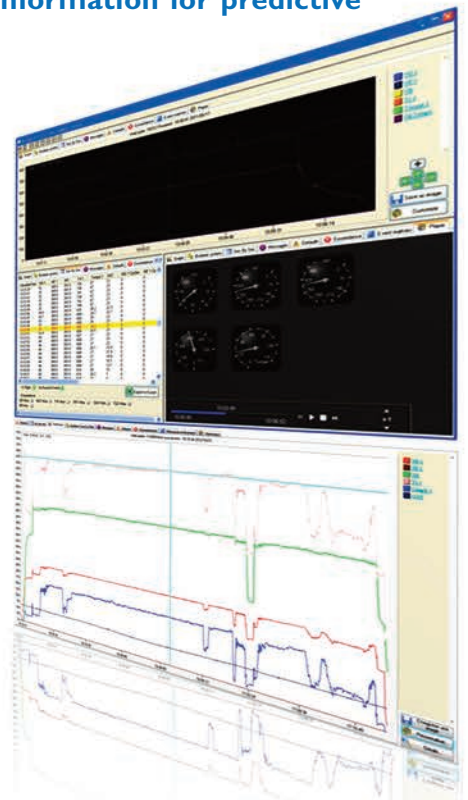
With over 400 recorders being daily used worldwide, BS2 is a “ready to install”, reliable, cost effective, SWaP solution to collect, record and analyse precious information for predictive maintenance & Return on experience.

Features

- Collects and records **analog & digital parameters**.
- Reports **operating time, flight time, number of cycles, exceedances...**
- **Up to 2500 flight hours** recorded for single engine (2000 flight hours for twin engines).
- **20 000 exceedances type messages** or events can be recorded.
- Easy to use dedicated **Ground Station Software**.

Benefits

- Compliant with **EASA CAT.POL.H.305, EASA CAT.POL.H.420, FAA 14 CFR §135.607 (& future FAA 14 CFR 91.9)** regulations.
- Optimizes predictive maintenance & enhances Retex.
- Ready to install (devices & installation kits) with STCs.





Main parameters recorded



- ① TQ [Engine Torque]
 - ② NR [Main Rotor Speed-Rotor Rate] / NF or N2 [Free Turbine Speed]
 - ③ NF or N2 [Free Turbine Speed]
 - ④ NG or N1 [Gas Generator Speed]
 - ⑤ ToT [Exhaust Gas Temperature]
 - ⑥ Engine Oil Temperature
 - ⑦ Delta NG or N1
 - ⑧ Pressure Altitude (Zp)
- + Air/Ground switch activation
 - + Battery Voltage
 - + Flight hours
 - + Cycles
 - + ...

Specifications

Main features	<ul style="list-style-type: none"> • Analog and Digital acquisition • Removable SD card (up to 2000 hours of flight data recorded) • Exceedence acknowledgement
Analog inputs	• 12
Digital inputs	• 10
Interfaces (Analog / Digital)	<ul style="list-style-type: none"> • 2x RS422 • 2x Arinc 429 • 1x CAN
HMI	<ul style="list-style-type: none"> • TOP event marker • Status indicators (system and memory)
Power	• 28 VDC (5W consumption)
Dimensions (wxdxh)	• 127x100x35mm
Mass	• 420 g
Operating T°	• -40 °C +75°C
Altitude	• 25 000 feet

Available STCs

- EC120
- EC130
- AS350
- B / AB 206
- AS355
- EC135
- AS365
- AS330/332

Upcoming STCs

- BK117
 - MD500
 - AW109
 - Bo105
 - Bell 212 /412
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Being PART21APDOA, NSE is able to develop and maintain its own STCs.