



GENESYS IDU 450 (4" X 5") SMART SCREENS

Configured as Primary Flight Display/Multi-Function Display (Each Pilot) Self-Contained Flight Management System

2. L3 TRILOGY STANDBY INSTRUMENT

Combines attitude, altitude, airspeed, slip/skid and optional heading data in a single digital display

DUAL TORQUE INDICATOR

INSCO Solid State critical engine instrument. Significantly more reliable than previous electro-mechanical versions. Meets TSO C47



N1 INDICATOR

INSCO Solid State critical engine instrument. Significantly more reliable than previous electro-mechanical versions. Meets TSO C47



TURBINE OUTLET TEMPERATURE INDICATOR

INSCO Solid State critical engine instrument. Significantly more reliable than previous electro-mechanical versions. Meets TSO C47



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BK-117 850D2 EVOLUTION GLASS COCKPIT UPGRADE KEY METRICS

Key capabilities of the system include:

- 3D Synthetic Vision shows 3-dimensional terrain, obstacles, and traffic in real time on Primary Flight Display (PFD).
- Highway-In-The-Sky (HITS) navigation Provides a 3D highway for the aircraft to fly through on the PFD in relation to local terrain and aircraft positions. A series of ever decreasing squares are displayed on the PFD for the helicopter to fly through.
- Geo-referenced Hover Vector Allows you to hover on a known point.
- Helicopter Terrain Awareness System (HTAWS) Global Terrain Data Base ties in with GPS position.
- Graphical Flight Management System (FMS) Central Navigation and communication management system.
- · Full-colour, hi-res, sunlight-readable (1,000 nit) LCD screen with fully-adjustable brightness
- Dual, redundant backlight
- Input: ADHRS, GPS receiver (all included)
- DO-178B, Level-A Software Highest approval level a key element for the IFR clearance.
- NVIS-A and NVIS-B Night Vision Goggle compatibility
- Digital flight performance recording of last five flights
- Redundant display/sensor architecture display failure reverts remaining to a primary flight display.
- RNP 0.3/BRNAV/PRNAV-compliant Allows aircraft to be qualified for precision navigation using GPS.

4 x Genesys IDU 450 (4" x 5") LCD Smart Screens

- Configured as Primary Flight Display/Multi-Function Display (each Pilot)
- Self-Contained Flight Management System

2 x Genesys Air Data, Attitude Heading and Reference Systems (ADAHRS)

- Magnetic Sensing Unit (MSU) Magnetic compass
- Outside Air Temperature (OAT) Probe
- Micro-Electro-Mechanical System (MEMS) providing extremely precise digital output and referencing of aircraft position rate, vector and acceleration data.
- Air Data Computer to calculate all pressure related metrics (Airspeed, Altitude etc.).

2 x Genesys GPS WAAS Receivers

- Beta 3 Effectively the latest in GPS technology.
- WAAS Wide Area Augmentation System US and Japan only allows the use of a ground based beacon to provide higher GPS accuracy.
- RAIM Receiver Autonomous Integrity Monitoring (RAIM) a way of predicting satellite coverage for a set time and space. Really important when you use GPS as a sole source of navigation.

1 x Genesys Remote Bugs Panel

• Dedicated control panel for frequently used features such as Heading Bugs and Range Rings

1 X L3 Trilogy Standby Instrument

- Combines attitude, altitude, airspeed, slip/skid and optional heading data into a single digital display.
- Logically grouped flight data eliminates multiple instruments, making the transition to standby easier.
- Internal battery (ESI-2000 model) provides flight data for a minimum of one hour after power loss.
- Single instrument reduces weight and scan times vs. reading multiple instruments.
- Solid-state design offers increased reliability compared to electro-mechanical instruments.

Solid State Engine Instrumentation

Airwork in partnership with INSCO precision instruments, have exclusively developed new BK117 solid state critical engine instruments. These solid state units are significantly more reliable than previous electro-mechanical versions. They include:

- 6 Dual Torque Indicator p/n 4355-3018 (140% torque). Meets TSO C47.
- N1 Indicator p/n 6503A-3218 Meets TSO C49.
- Turbine Outlet Temperature Indicator p/n 5032-3227 Meets TSO C43.

