GH-3900 ESIS Electronic Stanby Instrument System

Compact, multi-capability standby display for enhanced safety

The GH-3900 Electronic Standby Instrument System (ESIS) represents the next generation of standby technology, taking display and operation flexibility to an unprecedented level for mid- to large cabin business turboprops, jets, helicopters, and air transport aircraft. Configuration options include an adjustable display to meet the needs and preferences of nearly any cockpit environment, including information tailored to Part 23 (Class III & IV), 25, 27 and 29 aircraft and helicopters. Its compact size and weight, robust environmental and electrical qualification, and customization options make it the ideal choice for any aircraft.

For aircraft with limited space behind the panel, the GH-3900 is less 8.5 inches deep. To further conserve space, the system's Configuration Module has been designed into the wiring harness, which features a more compact connector. Flexible Air Data Computer (ADC) options can help shorten the chassis as well.

The GH-3900 is designed to Level A hardware and software standards, allowing the installer to define and configure I/0 interfaces, SSEC and VMO values, and the preferred display presentation of attitude, altitude, airspeed, heading and navigation data. The hardware enhancements include various air data and heading input options, as well as optional built-in accelerometers, and it supports multiple input/output data transfer protocols for discrete and analog signals, including ARINC 429, RS-422, RS-232.

The GH-3900 provides additional enhancements through the Configuration Module Tool software, allowing authorized installers to define and tailor colors, flight cues and navigation data.

Key Features

- Configurable flight cues, colors, data and aircraft performance
- Compact display designed to fit even small space behind panel
- ARINC 429, RS-422, RS-232, discrete and analog interfaces
- Designed for Part 25, Part 23 (Class III & IV), Part 27 and Part 29
- Solid-state design increases reliability while reducing repairs
- Field-loadable software
- LED backlit display and controls for long life, low power and high brightness
- Certified multiple ARINC 429 outputs
- Options for internal ADC or external ARINC 429 ADC
- Optional magnetometers for heading

Once visual preferences are set into the intuitive PC software, they are stored in the aircraft's configuration module that is part of the wiring harness to simplify maintenance. The instrument's menu button makes changing, adding or deleting display features push-button easy. And, interfaces with other avionics are simply managed through the Configuration Module Tool software as well.

There are several versions of the GH-3900 designed for a number of platforms and uses. Some models incorporate their own ADC, while others interface with third-party computers. Whether you are looking for a fully independent standby system for a commercial or business jet, a display-only version for a groundbased simulator, or a repeater version for a dual-pilot configuration, the GH-3900 is the system of choice.

MAG-3000

Magnetic heading can be added to the GH-3900 display using a compatible ARINC 429 source. Aircraft without this data protocol can use the MAG-3000 to obtain heading.

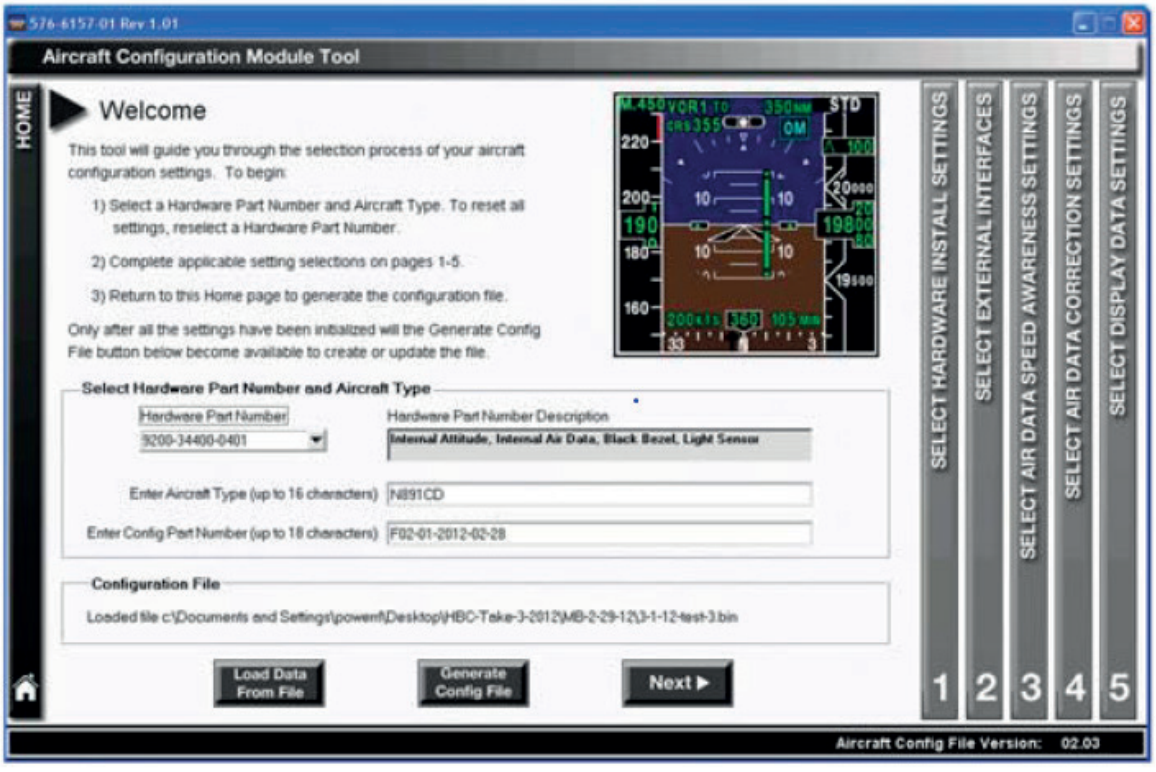
ADC-4000

The GH-3900 can be configured with an internal ADC or a remote ADC. Operators of legacy aircraft can opt to install the ADC-4000, which is designed to share air data with other instruments.

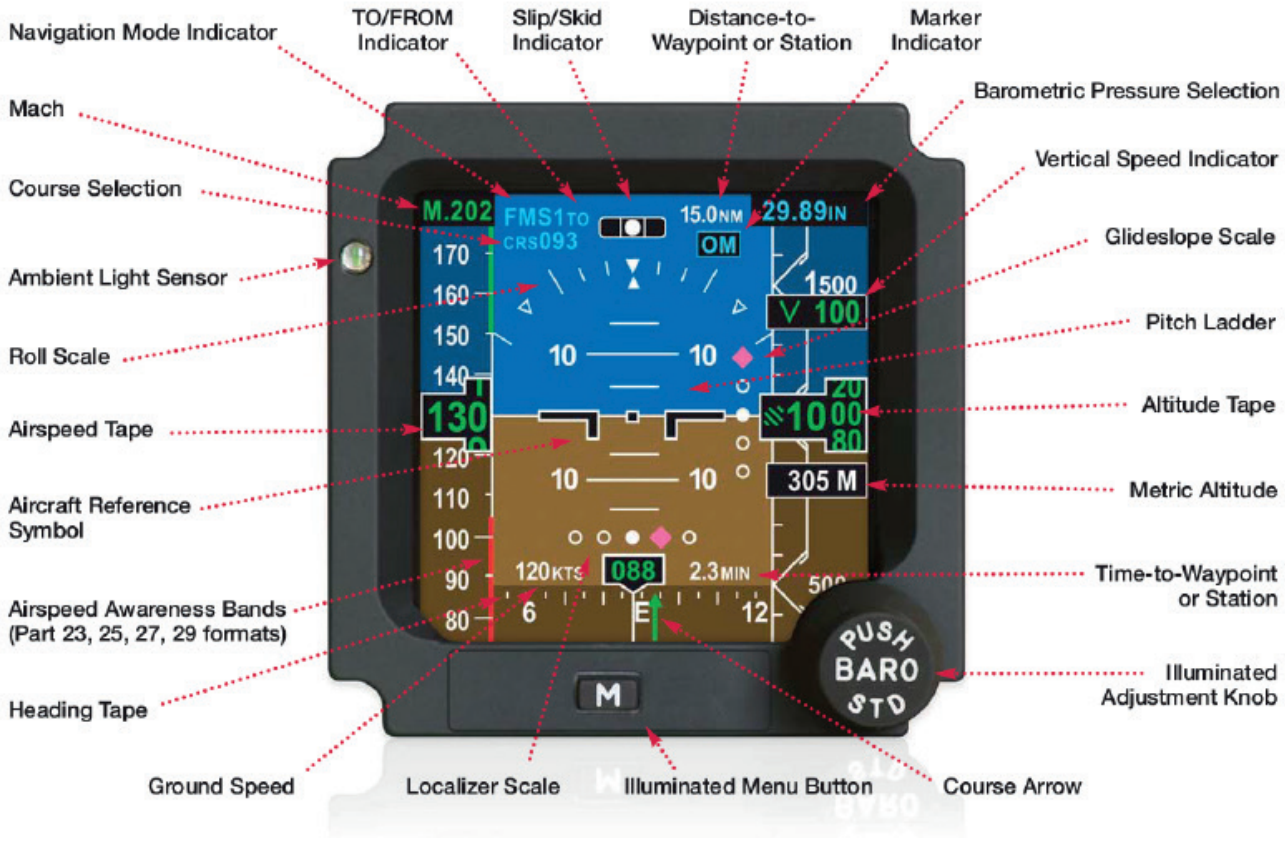
Optional MAG-3000

Optional MAG-3100

Optional ADC-4000



The Configuration Module Tool software simplifies the display and interface settings for authorized installers.



Fly safer with our next-gen GH-3900.2 Electronic Standby Instrument System (ESIS), designed to provide full standby ADI functionality, big flexibility and unparalleled display configurability including customizable colors and visual flight cues – all in a perfectly, powerful compact design to fit the majority of mid- to large cabin business turboprops, jets, air transport aircraft, and helicopters.

Specifications

GH-3900 ESIS ELECTRONIC STANBY INSTRUMNENT SYSTEM		
	GH-3900	GH-3900 (Internal ADC)
PHYSICAL DESCRIPTION		
Chassis Dimensions:		
Length	8.33 inches (212 mm)	8.55 inches (217 mm)
Width	3.19 inches (81 mm)	3.19 inches (81 mm)
Height	3.19 inches (81 mm)	3.19 inches (81 mm)
Overall Dimensions:		
Length	9.63 inches (245 mm)	9.85 inches (250 mm)
Width	3.28 inches (83 mm)	3.28 inches (83 mm)
Height	3.28 inches (83 mm)	3.28 inches (83 mm)
Weight	3.0 lb. max (1.36 kg)	3.2 lb. max (1.45 kg)
Power	Dual 28 VDC inputs (18 VDC emergency power)	
Interfaces	ARINC 429, RS-422, RS-232, discrete and analog	
Navigation	VOR/ILS, DME, FMS/GPS, TACAN, ARINC710 ILS	
CERTIFICATIONS		
TSO	C2d, C3e, C4c, C6e, C8e, C10b, C34e, C35d, C36e, C40c, C46a, C66c, C95a, C106, C113, C115b	
ETSO	C2d, C3d, C4c, C6e, C8e, C10b, C46a, C95a, C106, C113, C115b, 2C34f, 2C35d, 2C36f, 2C40c, 2C66b	

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