



ESIS-5000™ Electronic Standby Instrument System

Compact and reliable backup system for advanced flight guidance and enhanced safety



The ESIS-5000 Electronic Standby Instrument System is designed specifically for business aviation pilots as an agile and dependable solution. The intuitive panel-mounted, solid-state instrument provides the attitude, altitude, airspeed, heading, navigation and flight guidance information through an LED back-lit LCD touchscreen interface. The ESIS-5000's space-saving footprint, easy installation, and complete digital design makes it the ideal standby for any aircraft operator.

The ESIS-5000 touchscreen is easy-to-read and provides access to the menu for pilot settings and source selection. The whisper-quiet unit also comes equipped with a declutter mode that completely removes all display features and activates when a standby situation occurs. In addition, a clean mode is available that inhibits the touchscreen for fast and easy cleaning of the display at any time.

The ESIS-5000 is capable of communication with a Remote Data Concentrator (RDC), Attitude and Heading Reference System (AHRS), Air Data System (ADS), and Avionics Navigation Radios System to provide attitude, altitude, airspeed, heading, navigation, and flight guidance.

Key Features

- > Multi-function display
- > LED-backlit LCD with touchscreen
- > Edge-to-edge front glass surface
- > Lightweight < 2 lbs
- > Low Power < 10W
- > Quiet with no fan
- > No internal sensors
- > Primary means of setting barometer correction in the cockpit
- > ARINC 615 data loading
- > Primarily ARINC 429 interfaces for:
 - Air Data
 - AHRS
 - NAV
 - Data Concentrator



Specifications

ESIS-5000 ELECTRONIC STANDBY INSTRUMENT SYSTEM	
PHYSICAL DESCRIPTION	
Maximum Height, Front Bezel	3.580 inches [9.093 cm]
Maximum Depth, Including Knob	4.147 inches [10.530 cm]
Maximum Depth, Front Bezel	0.550 inches [1.397 cm]
Maximum Height, Rear Chassis	2.99 inches [7.595 cm]
Maximum Width, Rear Chassis	4.830 inches [12.268 cm]
Weight	Actual 1.54 lbs. (0.70 kg) / Maximum 2.0 lbs. (0.91 kg)
POWER	
Requirements and Consumption	+28.0 VDC nominal, 10.0 watts maximum
ENVIRONMENT	
Operating Temperature	-15° to +55°C (+5° to +131°F)
DESIGN	
Environmental Category	DO-160G
Software Category	DO-178B, Level B
Hardware Category	DO-254, Level B
INTERFACES	
ARINC 429 Receivers (8)	
ARINC 429 Transmitter (2)	
RS-422 Transceiver (1)	
Analog Dim Bus Input (1)	
Discrete Inputs (8)	
Discrete Outputs (8)	
PART NUMBER	
9200-43000-0201	

Acron Aviation ESIS-5000

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