



*Displaying ADI,
HSI, & HTAWS
Functions*



*Displaying ADI, HSI,
SVS, & HTAWS
Functions*

Drop-In Replacement for Electromechanical ADI and HSI Displays

The Astronautics RoadRunner™ Electronic Flight Instrument (EFI) is an easy to install replacement for current ADI and HSI primary flight instruments.

In addition to primary flight and navigation information, the EFI is capable of displaying weather, synthetic vision, terrain awareness, and traffic information. The high resolution, high contrast LCD with LED backlight delivers superior viewability and an expanded dimming range for the darkest nights and the brightest days.

Features & Benefits

- ✓ Easy to install
- ✓ Cost-effective upgrade to existing platforms
- ✓ Minimal aircraft wiring changes
- ✓ TCAS, Weather, SVS, TAWS, & other functions
- ✓ Reduced weight
- ✓ Enhanced safety
- ✓ Increased reliability
- ✓ Readability in all lighting conditions



Enhanced Safety

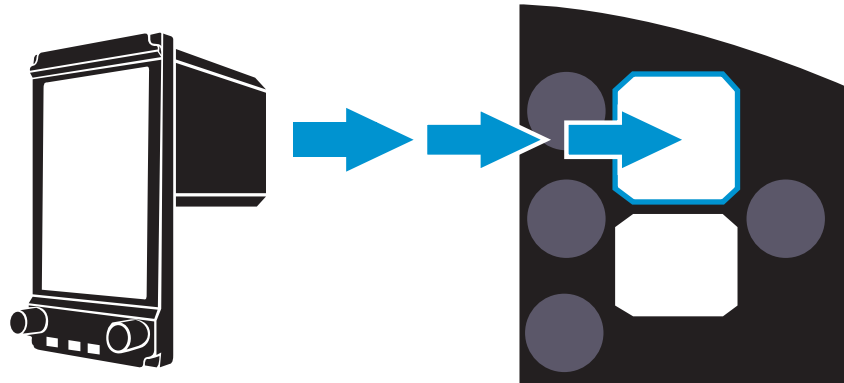


Reduced Operating Costs



Low Downtime to Install

Easy Drop-In Replacement



RoadRunner Product Specifications

Size	Electronics Unit Display Head	4.65" x 4.98" x 6.94" (excluding connectors) 5.00" x 9.67" x 1.65" (including encoders)
Weight	<8.0 lbs	
Power	Primary Power Bezel Lighting Optional	28VDC, <50 Watts 5VAC, 400 Hz 115VAC, 400 Hz primary power
Display	Active Area Resolution Luminance Optional	4.1" x 6.8" 480 x 800 (minimum) >800 cd/m ² (typical) NVIS compatibility
Interface	ARINC 429 (Input and Output) Differential Analog (Input and Output) Discrete Interfaces (Input and Output) RS-232 (Bi-directional) Synchro & Resolver (Input and Output) Direct output for aural alerts (TAWS functions) Optional: ARINC 453 (Input) Optional: ARINC 568 (Input) Optional: Connectors matching legacy instruments	
Certification	Software Programmable Logic Devices Hardware Planned TSO	DO-178C Level A DO-254 Level A DO-160G C113a,C3e,C4c,C6e,C34e,C36e,C40c,C41d,C63d C66c,C87a,C92c,C110a,C115c,C118a,C119d C146d,C147a,C165a,C194,C198-