



EFIS-D100

Electronic Flight Information System



DYNON AVIONICS

Innovative Avionics for Experimental Aircraft

www.dynonavionics.com

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Dynon's EFIS-D100 integrates its best-selling EFIS electronics with a larger 7" diagonal, sunlight readable, color LCD display. This instrument boasts a stunning 854 x 480 pixel display that delivers more than three times the resolution offered by competitive units. This class-leading display not only translates into reduced eyestrain, but also enables the viewing of additional data in a split-screen format without compromising the fidelity of the primary flight instruments.

The EFIS-D100 implements the same 10-in-1 instrument capability that made the EFIS-D10 series the market leader. The D100 platform also utilizes the D10's proven algorithms, software features, intuitive menu controls and most recent EFIS enhancements.

The new split-screen feature partitions the display to simultaneously show the primary flight instruments along with additional interchangeable information panels. Three types of split-screen panels allow pilots to view real-time Active Flight Data, Checklists, or Aviation Data all while never leaving the primary EFIS instruments behind.

The price includes a mounting tray, remote compass module and USB-serial converter. Several options are available that further extend the EFIS-D100's capabilities or facilitate installation. A key benefit that Dynon offers is free lifetime software updates for all its products. These may be downloaded from www.dynonavionics.com anytime new features or capabilities become available.

Specifications

Instruments Included:

Attitude, Altimeter, Airspeed, Vertical Speed, Gyro-Stabilized Magnetic Compass, Turn Coordinator/Ball, Turn Rate, Clock, Up/Down Timer, G-Meter, Voltmeter, Altitude Encoder, Angle of Attack with optional Dynon AOA probe.

Mechanical

Size: 6.95" wide x 4.90" tall x 4.51" deep
(177 x 125 x 115 mm)
Mounting: Supplied with mounting tray that facilitates front removal of EFIS
Weight: 2 lb. 6 oz. (1.13 kg)
3 lb. with internal battery option (1.36 kg)

Power

Voltage: 10 - 30 Vdc
Power: 12 Watts normal operation
24 Watts (max) if optional internal battery is charging

Screen

Type: AMLCD, TFT (Thin Film Transistor)
Backlight: 0.8-400 nit, user-adjustable
Size: 7.0" diagonal (178 mm)
Resolution: 854 x 480 color pixels

Measurement Parameters

Airspeed: 30 - 325 knots indicated
(35 - 374 mph)
Altitude: -1200 to 30,000 Feet
(-366 to 9144 m)
Attitude: Fully aerobatic; automatically recovers from any excursions exceeding 150° /second roll, pitch and yaw.
G-meter: -10G's to +10G's
Voltmeter: 10 to 30 Vdc
OAT: -22° to 149° F (-30° to 65° C) (optional)
Timer: 10 Hour Up - 10 Hour Down

Connections

Wiring: D-25 pin male connector
Plumbing: 1/8" NPT (female) each for pitot, static and angle of attack

Environmental

Operating Temperature: -22° to 122° F (-30° to 50° C)

Split Screen Examples



Engine monitor data acquired from Dynon's EMS system

Active Flight Data



Checklist
User-defined



Aviation Data
User-defined

Options

- Angle of Attack Pitot
- Internal Battery
- Outside Air Temperature Probe to dynamically calculate density altitude & true airspeed
- Wiring Harness
- Encoder Converter for transponders requiring parallel gray code interface