

# EFIS-D10A SPECIFICATIONS

## Mechanical

Mounting: Fits into standard 3 1/8" panel hole  
Optional flush mount bracket available  
Weight: 1 lb. 9 oz. (700 grams)  
1 lb. 15 oz. with internal battery option  
(880 grams)

## Environmental

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

## Power

Voltage: 10 - 30 Vdc  
Current: 8 Watts normal operation  
20 Watts (max) if optional internal  
battery is charging

## Connections

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

## Screen

Type: AMLCD, TFT (Thin Film Transistor)  
Backlight: 450 NIT  
Size: 3.8" diagonal (96 mm)  
Resolution: 320 x 240 color pixels

## User Interface

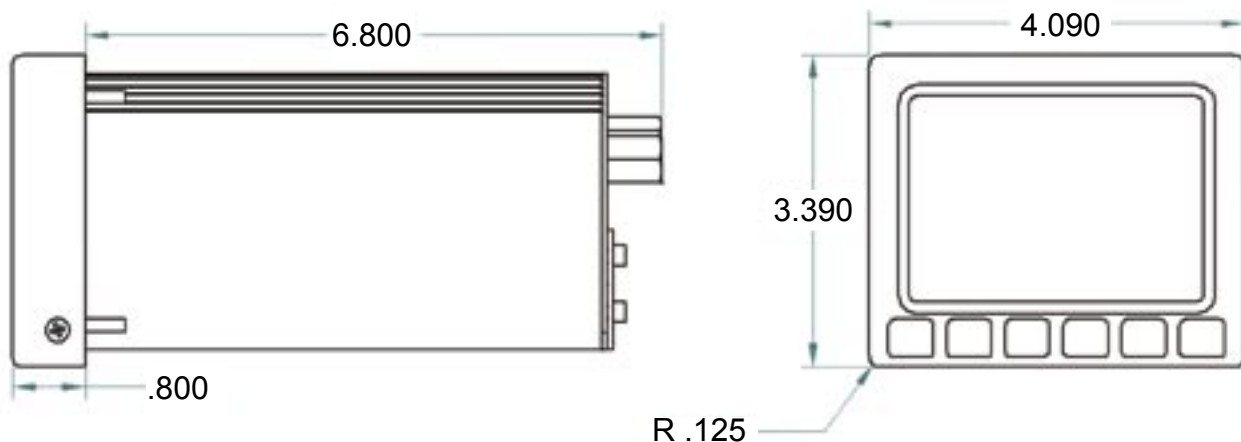
Menu: Softkey menus  
Buttons: 6  
Power On/Off: Furthest left button  
Momentary press to turn on  
Hold for 2 seconds to turn off

## Measurement Parameters

Airspeed: 30 - 325 knots indicated  
(35 - 374 mph)  
Altitude: -1200 to 30,000 Feet  
(-366 to 9144 M)  
Attitude: Fully aerobatic, 150°/second roll, pitch  
and yaw. (Exceeding 150°/sec is  
not harmful to instrument)  
G-meter: -10G's to +10G's  
Voltmeter: 10 to 30 Vdc  
OAT: -40° to 140° F  
(-40° to 60° C)  
Timer: 10 Hour Up  
10 Hour Down



Actual Size



# Give Your Plane a *Great Attitude*

Electronic Flight Information System

## EFIS-D10A



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# EFIS-D10A - ELECTRONIC FLIGHT INFORMATION SYSTEM

## INTRODUCTION

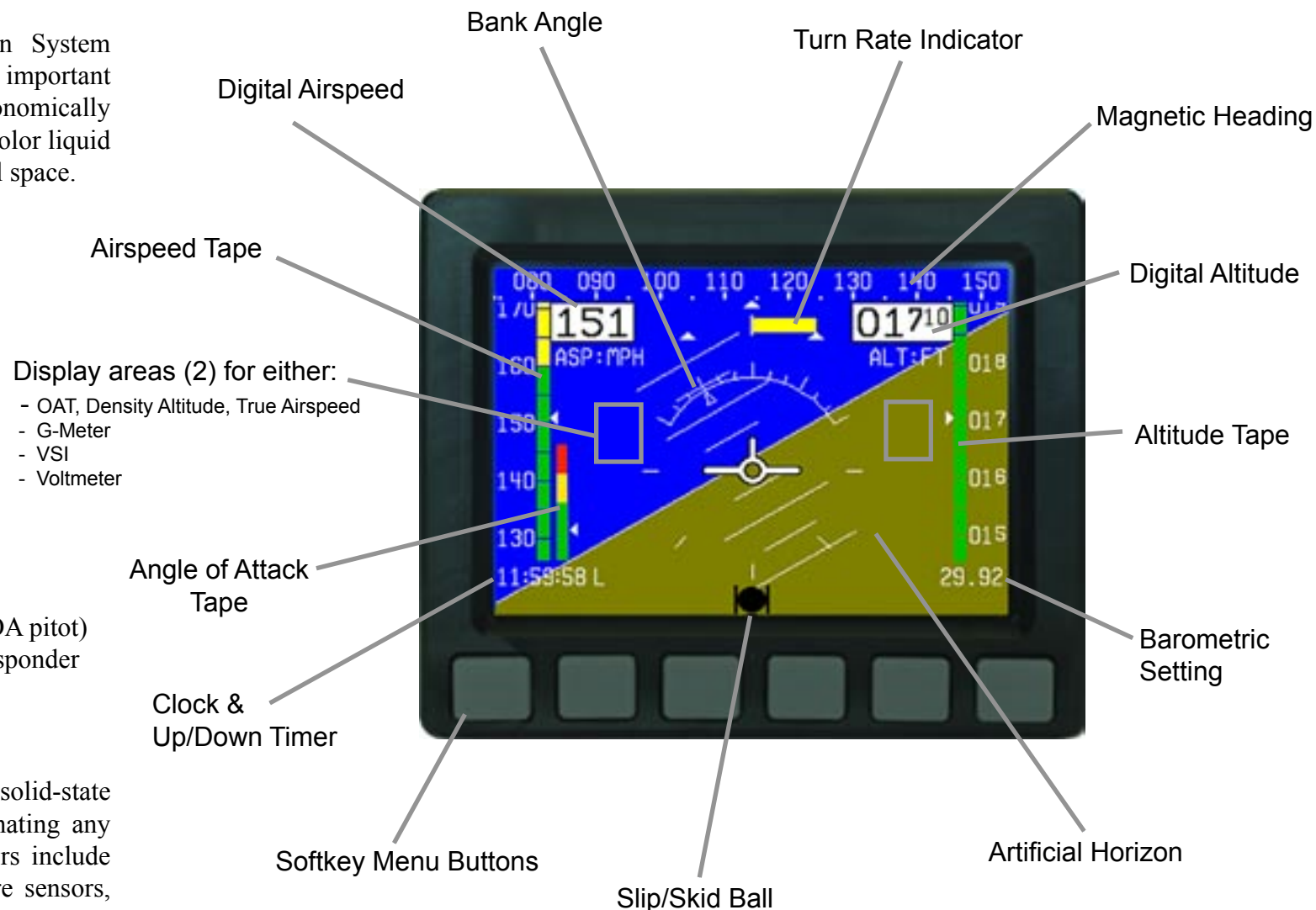
The EFIS-D10A Electronic Flight Information System provides a solid-state solution for the ten most important instruments you need. The flight data are all ergonomically arranged onto a single, bright sunlight readable, color liquid crystal display to optimize functionality and panel space.

## INSTRUMENTS INCLUDED

- Attitude Indicator
- Airspeed Indicator
- Altimeter
- Vertical Speed Indicator
- Gyro-Stabilized Compass Heading
- Turn Coordinator/Ball
- Turn Rate
- Clock/Timer
- G-Meter
- Voltmeter
- Angle-of-Attack (with optional Dynon AOA pitot)
- Serial altitude encoder output to your transponder

## ALL SENSORS INSIDE

The EFIS-D10A instrument includes 15 solid-state sensors all inside the instrument housing eliminating any complicated installation problems. These sensors include accelerometers, pressure transducers, temperature sensors, gyros, and magnetometers. If desired, an optional external compass/magnetometer and outside air temperature probe may be added to your system.



*Users may deactivate/activate each screen function individually to optimize the presentation to be as complete or simple as desired*

## SAVE SPACE, WEIGHT, TIME & MONEY!

Your instrument panel is one of the larger investments you're likely to make. Considerable money and space savings can be realized when selecting the EFIS-D10A system. This compact design optimally replaces 10 flight instruments plus your altitude encoder all in one easy to install packaged system. Not only do you free up valuable panel space, but significantly save on installation time and complexity.

## EASY TO INSTALL

This highly integrated instrument design makes installation far simpler than all of the separate traditional gauges it replaces. With the EFIS-D10A you simply:

1. Mount the instrument to your panel
2. Wire two leads to your main avionics power bus
3. Wire three leads for a PC interface
4. Connect the air speed & static pressure lines from the pitot system
5. Perform a magnetic compass calibration

Even if you choose all the Optional Features, you need not be an avionics technician to install this system.

## ENHANCED RELIABILITY

The solid-state design uses no moving parts, inherently making it more reliable than traditional mechanical gyros and vacuum systems. It's a favorite among aerobatic pilots whose maneuvers cannot harm the instrument.

## EFIS-D10A OPTIONS

### Internal Battery

A lithium-ion battery, housed inside the EFIS-D10A, offers a full two hours of normal operation in the event all other power is lost, enabling continued safe flight.

### Remote Compass

If the EFIS's internal magnetometers are subjected to excessive magnetic interference within your panel, a remote compass can be added, optimally located elsewhere in the plane to enhance accuracy.

### Flush Panel Mount Bracket

This bracket facilitates a rectangular hole cutout in your panel for rear mounting the instrument so that the EFIS-D10A screen/bezel is flush with your panel.

### Outside Air Temperature Probe

This temperature probe, with 10 foot long cable, connects directly to the optional remote compass (only) to provide outside air temperature, true airspeed and density altitude.

### Angle of Attack Pitot (AOA)

Early stall warning is available via one of our three specially designed AOA pitot's. When ordering please specify either the unheated, heated 12 Vdc, or heated 24 Vdc.