DYNON AVIONICS

www.dynonavionics.com

Dynon Avionics Panel Planner

Use the actual size cards inside to lay out your dream panel

Electronic Flight Information Systems

EFIS-D100
$2400

EFIS-D10A
$2200

Engine Monitoring Systems

EMS-D120
$2000 *plus probes*

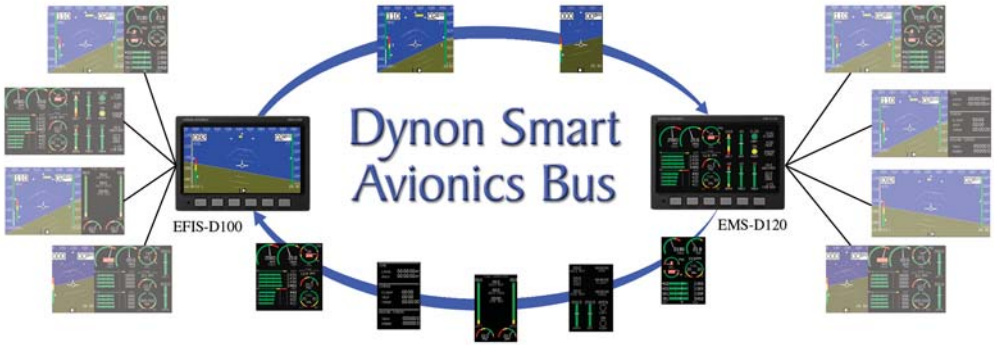
EMS-D10
$1700 *plus probes*

Combined EFIS & EMS

FlightDEK-D180
$3200 *plus probes*

Dual Displays Starting Under $5,000!

Connect multiple Dynon Avionics products together and share display pages between instruments.



Dynon Avionics 19825 141st Pl NE, Woodinville, WA 98072 425-402-0433


DYNON AVIONICS
EFIS-D100
0 330 340 350 N 010 015 020 030 040 050 060
130
120
110
100
93
80
70
60
50
25.6 INHG
2560 RPM
24
23
22
21
20
40
12:59:13 L
20
29.92
Actual Size

EFIS Specifications

Instrument Capabilities:
Attitude, Airspeed, Altitude, VSI, Angle of Attack, Gyro-Stabilized Magnetic Compass, Turn Coordinator/Ball, Turn Rate, Clock/ Timer, G-Meter, Voltmeter, OAT/DA/TAS, Serial Encoder Output to Transponder, Audio Alarm Line Output

Weight:
EFIS-D10A: 1 lb. 9 oz.
EFIS-D100: 2 lb. 6 oz.
FlightDEK-D180: 3 lb.
(add 6 oz. for optional battery)

Power:
10V - 30V DC
EFIS-D10A: 8 watts typical
EFIS-D100: 12 watts typical
FlightDEK-D180: 14 watts typical
(add 12 Watts max for optional battery while charging)

Connections:
D-25 male connector
(FlightDEK-D180 uses two additional connectors for engine probes, see EMS specs)
Plumbing: 1/8” NPT (female) each for pitot, static and angle of attack

HS34 HSI Expansion Module

Adds ARINC-429, analog, and additional serial interfaces to your Dynon system to enable HSI and autopilot connectivity with a variety of GPS and NAV radios, including the popular Garmin 430/430W.

Other features: dedicated controls for the HSI; heading bug knob; value knob for adjusting altimeter and other settings; light sensor for automatic screen dimming; voice alerts.

Interfaces: 2 bidirectional RS-232 serial, 2 ARINC-429 receivers, 1 ARINC-429 transmitter, 1 analog synchro resolver, 1 marker beacon receiver input, 1 DME input, 6 EMS general purpose inputs, 4 EMS contact inputs, 1 voice alert audio output

MSRP: **$650**

Actual Size

Introducing the Dynon Autopilot

Start with any Dynon Avionics EFIS or FlightDEK.

\+

Add 1 or 2 servos: **$750** each*

\+

or

Add an optional AP74 (**$450**) or AP76 module (**$1500**)

Example Configurations

An EFIS-D10A and two servos start at $3700

Add a 2-axis autopilot to any EFIS or FlightDEK with two servos from $1500

VFR, nicely equipped: EFIS-D100 + two servos + AP74 from $4350

IFR, including coupled approach capability: EFIS-D100 + two servos + AP76 + HS34 (for NAV/GPS connectivity) from $6050

Think of it as the only autopilot with a COMPLETE set of primary flight instruments built in, or alternatively as an EFIS that can become an autopilot for the incremental cost of servos. Build anything from day VFR to hard IFR configurations for less than ever before.

And if you are seeking a redundant solution, consider this: our products are priced so well that two EFISs, one of which is a 2-axis autopilot, start at just $5900 with servos. That's two attitude indicators, two airspeed indicators, two altimeters, and... well you get the picture. Compare that to the cost of outfitting your aircraft with just a single set of flight instruments and an autopilot from the competition.

* low-cost installation kits priced separately

AP74 Dedicated Autopilot Interface Module

Enhance the usability of your Dynon EFIS's built-in autopilot by adding dedicated controls for selecting magnetic heading, GPS track, NAV, and altitude hold modes. The AP74 also adds the ability to preselect whether HDG, TRK, or NAV mode will be flown upon autopilot engagement.

Other features: a knob for adjusting autopilot and other EFIS values such as the altimeter setting; light sensor for automatic screen dimming; voice alerts; autopilot mode status via LED button lights.

MSRP: **$450**
Expected availability: Summer 2008

Actual Size

AP76 Advanced Autopilot Module

Upgrades your Dynon EFIS's built-in autopilot capability to enable virtually any mode you can think of at a fraction of the price you'd expect.

Fly vertical NAV profiles such as fully coupled ILS and WAAS LPV GPS approaches*, altitude preselect, vertical speed preselect, and more.

** most GPS units and NAV radios other than the SL30 require the HS34 for Vertical NAV capability*

Other features: a knob for adjusting autopilot and other EFIS values such as the altimeter setting; light sensor for automatic screen dimming; voice alerts; autopilot mode status via LED button lights.

MSRP: **$1500**
Coming soon. Upgrades from the AP74 will be available for difference in price.

Actual Size

EMS Specifications

Instrument Capabilities:
6 EGT, 6 CHT, 4 Fuel Level, RPM, Manifold Pressure, Oil Temperature, Oil Pressure, Fuel Pressure, Fuel Flow, Amps, Volts, OAT, Coolant Temperature, Coolant Pressure, Carburetor Temperature, 2 Contact Inputs, Light & Audio Alarm Line Outputs

Weight:
EMS-D10: 1 lb. 4 oz.
EMS-D120: 2 lb. 6 oz.

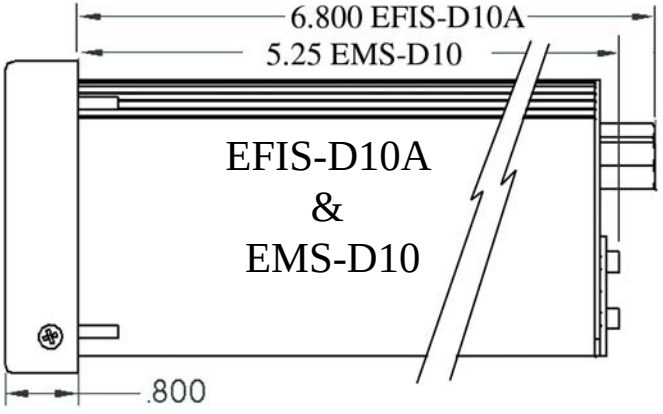
Power:
10V - 30V DC
EMS-D10: 10 watts typical
EMS-D120: 14 watts typical

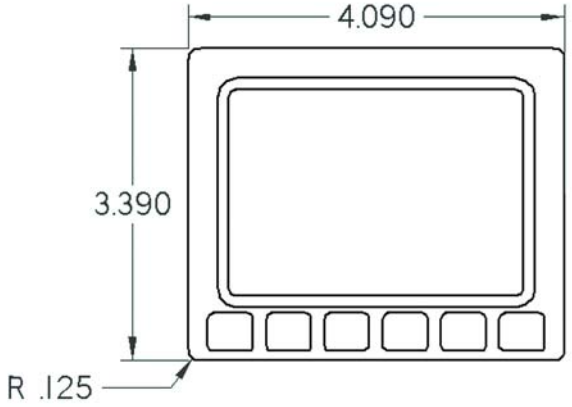
Connections:
D-25 female connector
D-37 male connector

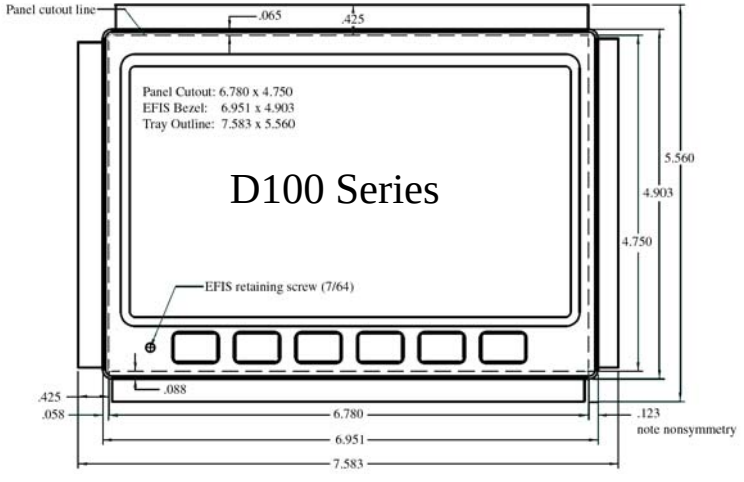
Actual Size

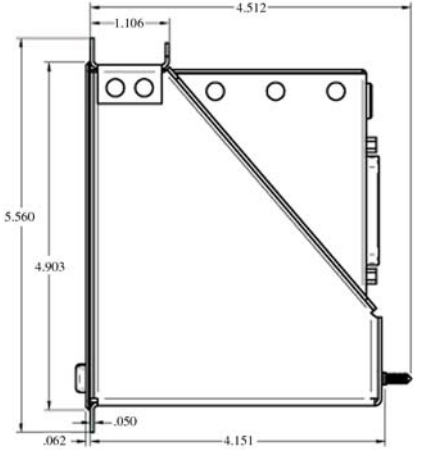

DYNON AVIONICS
EMS-D120
2560
RPM
TACH
25.6
INHG
MAP
PSI
26
350
°F
OIL
14.6
VOLT
44
OAT
CLSD
CNPY
ON
PUMP
0:00
FLIGHT
0:00
TRIP
0:00:00
TIMER
°F
1
2
3
4
EGT
1420
1434
1448
1463
°F
1
2
3
4
CHT
443
432
422
411
FUEL
12.8 GPH
20.3
PSI
FUEL
20
20
GAL
LT
RT
+9
AMPS
10
TNK3
10
TNK4
16.0
GALS REM
22.0
GALS
USED
1:15
TIME REM
Actual Size


DYNON AVIONICS
FlightDEK-D180
0 350 000 010 020 030 040 05
130
120
110
100
090
110
MPH
02210
FT
025
024
023
022
021
020
12:00:00 L
29.92
2190
TACH
21.9
MAP
PSI
5
OIL
350
°F
10.9 GPH
FUEL
20 20
GAL
L
R
412
402
391
381
CHT
°F
1369
1383
1398
1412
EGT
Actual Size


6.800 EFIS-D10A
5.25 EMS-D10
EFIS-D10A
&
EMS-D10
.800


4.090
3.390
R .125


Panel cutout line
.065
.425
Panel Cutout: 6.780 x 4.750
EFIS Bezel: 6.951 x 4.903
Tray Outline: 7.583 x 5.560
D100 Series
EFIS retaining screw (7/64)
5.560
4.903
4.750
.088
.425
.058
6.780
6.951
7.583
.123
note nonsymmetry


4.512
1.106
5.560
4.903
.050
.062
4.151