

DYNON

DYNON EMS-D10 ENGINE MONITORING SYSTEM



The Dynon EMS-D10 offers more engine information in less space than ever before – full engine monitoring with up to 27 separate inputs on a highly readable 4” display, installed in your standard 3-1/8” panel hole. A designated Fuel Computer page allows the pilot to see fuel levels for up to 4 tanks, fuel pressure, fuel flow, fuel used, fuel remaining, time remaining and fuel required to destination all on one optimized display. To keep the classic look and feel of the Dynon product family, the EMS-D10 utilizes the same highly-visible display, keypad, and bezel as the best-selling EFIS-D10A – and will provide engine information to your Dynon EFIS through a simple 2-wire connection. As an added safety feature, the EMS-D10 also features programmable alarms which can be displayed on screen, through a separately mounted indicator light, or by an audible annunciation through your intercom. EMS-D10 features and options: • Sunlight-readable, 4” color display with full dimming control • Replaces up to 16 different types of gauges • Individual displays for up to 6 EGT and 6 CHT inputs • Customizable displays for Tachometer, Fuel Pressure, Oil Pressure, Oil Temp, Manifold Pressure, Volts/Amps, Carb Temp, OAT, Coolant Temp /Pressure, Hobbs/Tach Time • Fuel level display for up to 4 tanks • Fuel flow measurement with fuel computer display • Customizable settings for Green/Yellow/Red parameters on all inputs • Inputs for flaps/trim position sensors and contacts • Programmable visual and audio alarms • 25 User-defined checklists • Dynon three-year factory limited warranty P/N 10-01160 **\$1,665.00**

COMPLETE ENGINE PACKAGES

(EMS-D10 Engine Monitor, engine sensors and 2 wiring harnesses)

Description	Part No.	Price
EMSKIT-L4C, 4Cyl Lycoming/Continental Package (Carbureted)	10-01161	\$2,363.00
EMSKIT-L4F, 4Cyl Lycoming/Continental Package (Fuel Injected)	10-01162	\$2,343.00
EMSKIT-L6C, 6Cyl Lycoming/Continental Package (Carbureted)	10-01163	\$2,513.00
EMSKIT-L6F, 6Cyl Lycoming/Continental Package (Fuel Injected)	10-01164	\$2,492.00
EMSKIT-RTX, 4Cyl Rotax 912/914 Package	10-01830	\$1,995.00
EMSKIT-J22, 4Cyl Jabiru 2200 Package	10-01832	\$2,143.00
EMSKIT-J33, 6Cyl Jabiru 3300 Package	10-01834	\$2,263.00

EMS OPTIONS

Description	Part No.	Price
Capacitance to Volt Converter	10-02159	\$49.95
Fuel Flow Sensor	10-01165	\$259.00
USB-Serial Converter	10-01824	\$21.50
D10 Flush Mount Bracket	10-00757	\$19.95
EGT Thermcouple Ext Wire	10-01167	\$0.99
CHT Thermcouple Ext Wire	10-01168	\$0.99

DYNON EMS-D120 ENGINE MONITORING SYSTEM



Featuring all of the same inputs and features of the EMS-D10, the Dynon EMS-D120 brings full engine monitoring to your panel on a stunning 7” wide-screen display. The larger size allows for multiple information pages to be displayed side-by-side in a split-screen format, enabling you to have full view of your primary engine inputs while also viewing your fuel computer, engine timers, or flight information from a Dynon EFIS. Additionally, the EMS-D120 is available in an optional Super-Bright Screen format, improving its readability and overall performance in all light conditions. Dimensions: 6.95” W x 4.90” H x 4.51” D. Includes Dynon three-year factory limited warranty

EMS-D120 w/ Superbright Screen P/N 10-02156 **\$2,175.00**

SENSOR INPUTS

- 6 - EGT (Type K Thermocouple)
- 6 - CHT (Type J Thermocouple)
- 2 - Fuel Level (Resistive [0-1 K ohm] or Capacitance [0-5 volt])
- 2 - RPM (Frequency) 2 - Contacts
- 1 - Manifold Pressure (Voltage)
- 1 - Oil Temperature (Resistive)
- 1 - Oil Pressure (Resistive)
- 1 - Fuel Pressure (Resistive)
- 1 - Fuel Flow (Frequency)
- 1 - Amps (Shunt)
- 1 - Volts
- 1 - Turbine Inlet Temperature (Type K Thermocouple)
- 3 - General Purpose (Either resistive or voltage for OAT, Fuel Tanks 3 & 4, Coolant Temp/Press, Carb Temp)

EMS OPTIONS

Description	Part No.	Price
Capacitance to Voltage Converter	10-02159	\$49.95
Fuel Flow Sensor	10-01165	\$259.00
USB-Serial Converter	10-01824	\$21.50
EGT Thermcouple Ext Wire	10-01167	\$0.99
CHT Thermcouple Ext Wire	10-01168	\$0.99

COMPLETE ENGINE PACKAGES

(EMS-D120 Engine Monitor, engine sensors and 2 wiring harnesses)

Description	Part No.	Price
EMSKIT-L4C, w/irh Super Bright Screen	10-02201	\$2,873.00
EMSKIT-L4F, 4Cyl Lycoming/Continental Package (Fuel Injected)	10-01827	\$2,853.00
EMSKIT-L4F, w/irh Super Bright Screen	10-02203	\$2,853.00
EMSKIT-L6C, 6Cyl Lycoming/Continental Package (Carbureted)	10-01828	\$2,598.00
EMSKIT-L6C, w/irh Super Bright Screen	10-02197	\$3,023.00
EMSKIT-L6F, 6Cyl Lycoming/Continental Package (Fuel Injected)	10-01829	\$2,885.00
EMSKIT-L6F, w/irh Super Bright Screen	10-02196	\$3,002.00
EMSKIT-RTX, 4Cyl Rotax 912/914 Package	10-01831	\$2,422.00
EMSKIT-RTX, w/irh Super Bright Screen	10-02166	\$2,520.00
EMSKIT-J22, 4Cyl Jabiru 2200 Package	10-01833	\$3,431.00
EMSKIT-J22, w/irh Super Bright Screen	10-02193	\$2,653.00
EMSKIT-J33, 6Cyl Jabiru 3300 Package	10-01835	\$2,457.00
EMSKIT-J33, w/irh Super Bright Screen	10-02194	\$2,773.00

DYNON FLIGHTDEK-D180



The FlightDEK-D180 combines Dynon's best-selling EFIS and EMS (Engine Monitor System) instruments into one brilliant 7” sunlight readable display, giving you an unparalleled assortment of functions in one easy-to-use, very powerful instrument. Pilots may elect to display both EFIS and engine monitor functions simultaneously in split-screen format or switch over to a full screen EFIS or EMS via simple hotkey commands – allowing for full monitoring of any combination of PFD, engine sensors, fuel computer, HSI, and timers. Like all other Dynon instruments, the FlightDEK-D180 comes with a 3-year warranty and free lifetime software updates. Additionally, the FlightDEK-D180 is available in an optional Super-Bright Screen format, improving its readability and overall performance in all light conditions. Dimensions: 6.95” W x 4.90” H x 4.51” D Includes Dynon three-year factory limited warranty

DEK-D180 w/ Superbright Screen P/N 10-02157 **\$3,315.00**

COMPLETE ENGINE PACKAGES

(FlightDEK-D180, engine sensors and 2 wiring harnesses)

Description	Part No.	Price
EMSKIT-L4C, 4Cyl Lycoming/Continental Package (Carbureted)	10-01837	\$4,013.00
EMSKIT-L4C, with Super Bright Screen	10-02198	\$4,013.00
EMSKIT-L4F, 4Cyl Lycoming/Continental Package (Fuel Injected)	10-01838	\$3,993.00
EMSKIT-L4F, with Super Bright Screen	10-02199	\$3,993.00
EMSKIT-L6C, 6Cyl Lycoming/Continental Package (Carbureted)	10-01839	\$4,163.00
EMSKIT-L6C, with Super Bright Screen	10-02190	\$4,050.00
EMSKIT-L6F, 6Cyl Lycoming/Continental Package (Fuel Injected)	10-01840	\$4,142.00
EMSKIT-L6F, with Super Bright Screen	10-02191	\$4,142.00
EMSKIT-RTX, 4Cyl Rotax 912/914 Package	10-01841	\$3,660.00
EMSKIT-RTX, with Super Bright Screen	10-02168	\$3,660.00
EMSKIT-J22, 4Cyl Jabiru 2200 Package	10-01842	\$3,793.00
EMSKIT-J22, with Super Bright Screen	10-02192	\$3,793.00
EMSKIT-J33, 6Cyl Jabiru 3300 Package	10-01843	\$3,913.00
EMSKIT-J33, with Super Bright Screen	10-02195	\$3,913.00

FLIGHTDEK OPTIONS

Description	Part No.	Price	Description	Part No.	Price
Battery	10-00755	\$125.00	CHT Adj. Bayonet, 3/8-24 UNF	10-01170	\$38.85
OAT Probe	10-01823	\$64.50	CHT, Ring Terminal 12mm	10-01845	\$25.75
AOA/Pitot Probe (unheated)	10-01157	\$195.00	Manifold Press. 0-60” Hg, 1/8” Hose	10-01171	\$64.85
AOA/Pitot Probe (heated)	10-02158	\$438.00	Oil Press. Kavlico 1/8-27 NPT 150 PSI	10-04823	\$87.00
Encoder Converter Module	10-01159	\$79.85	Oil Temp 5/8-18 UNF 100-240 F	10-01173	\$19.95
Fuel Flow Sensor	10-01165	\$259.00	Carb Fuel Press Kavlico 1/8-27 NPT, 15 PSI	10-04820	\$87.00
EGT Thermcouple Ext Wire	10-01167	\$0.99	Injected Fuel Press Kavlico 1/8-27 NPT, 50 PSI	10-04825	\$87.00
CHT Thermcouple Ext Wire	10-01168	\$0.99	Carb. Air Temp. 1/4-28 UNF, -50 to 150F	10-01846	\$36.95
OAT	10-01176	\$36.95	AMPS Shunt 0-60	10-01178	\$15.65
HS34 HSI Expan. Mdl. Vert.	10-02590	\$645.00	EGT 2 Cylinder 6 ft	10-01847	\$49.85
HS34 HSI Expan. Mdl. Hor.	10-02773	\$646.00	EGT/CHT 4 Cylinder 6 ft	10-01179	\$81.75
Capacitance to Volt Converter	10-02159	\$49.95	EGT/CHT 6 Cylinder 6 ft	10-01180	\$92.50
Wiring Harness LSA/E-AB	10-01158	\$79.50	Engine Sensor Main Wire Harness 6 ft	10-01181	\$128.95
Roll Servo Kit RV10	10-04076	\$795.00			
AOA/Pitot Unheated Boom	10-02789	\$197.00			
Mounting Hardware (L Tube Only)	10-01820	\$109.75			
EGT, 0.75-1.25” Hose Clamp	10-01844	\$36.65			
EGT, 1-2.25” Hose Clamp	10-01169	\$36.65			
EGT, 1-1.75” Hose Clamp	10-05079	\$36.00			

SEE WWW.AIRCRAFTSPRUCE.COM FOR LISTING OF ALL ENGINE SENSORS, HARNESSES, & PACKAGES