

# ENGINE SCANNERS — FUEL COMPUTERS



## JPI EDM-730/830

The EDM-730/830 revolutionizes engine monitoring by the integration of brilliant full color graphical LCD display with the extremely popular EDM 700/800 series functionally and yet reduces the package size to the smallest on the market! The EDM-730 packs more features, functionality, and information onto its large full color screen than any other monitor available and features larger characters for easier reading. Oil pressure has also been added to the entire EDM series line. Mounting is a breeze due to its standard 3-1/8" format, and because it can be mounted in either portrait or landscape orientation, thus accommodating virtually any panel configuration. Depth behind the panel is an amazing 2-1/2". The unit is "Plug and Play" compatible with existing EDM-700/800 units. Full Color LCD Display: \* More Graphics \* Large digits for easy reading. \* Full color parameter range markings. \* FAA STC/TSO approved. Package Form Factor: \* Standard 3-1/8" Mounting from the front. \* Face is offset from center to better fit in spaces where other equipment is currently located. \* Can be mounted in four different face orientations to satisfy tough mounting scenarios. \* Depth is nearly the same as the height of a business card, 2.5". \* Plug and play compatible with the JPI EDM-700/800 harnesses for easy upgrade. \* Front mounted USB jack for easy software upgrades and data downloads.

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Model	Part No.	Price
EDM-730-4Cyl	10-03701	.
EDM-730-4C W/ FF 201	10-03717	.
EDM-730-4C W/ FF 231	10-03718	.
EDM-730-6C	10-03703	.
EDM-730-6C W/ FF 201	10-03719	.
EDM-730-6C W/ FF 231	10-03720	.
EDM-730-7C	11-07753	.
EDM-730-7C W/ FF 201	11-07754	.
EDM-730-7C W/ FF 231	11-07755	.
EDM-730-8C	11-07756	.
EDM-730-8C W/ FF 201	11-07757	.
EDM-730-8C W/ FF 231	11-07758	.
EDM-730-9C	11-07759	.
EDM-730-9C W/ FF 201	11-07760	.
EDM-730-9C W/ FF 231	11-07761	.
EDM-830-4C W/ FF 201	10-03721	.
EDM-830-4C W/ FF 231	10-03723	.
EDM-830-6C W/FF 201	10-03724	.
EDM-830-6C W/FF 231	10-03725	.
EDM-830-7C W/ FF 201	11-07762	.
EDM-830-7C W/ FF 231	11-07763	.
EDM-830-8C W/ FF 201	11-07764	.
EDM-830-8C W/ FF 231	11-07765	.
EDM-830-9C W/ FF 201	11-07766	.
EDM-830-9C W/ FF 231	11-07767	.

**UPGRADE YOUR EDM 700 TO THE EDM 730, OR YOUR EDM 800 TO THE EDM 830.**

Description	Part No.	Price
EDM 700 to EDM 730	10-03863	.
EDM 800 to EDM 830	10-03864	.

## JPI EDM 800 DIGITAL/ANALOG SCANNERS WITH AUTOMATIC HORSEPOWER COMPUTING

Dot identifies cylinder associated w/digital info. Automatically advances.

Missing bars indicate CHT Trend. Highest CHT even by 1° show as CHT bar.

EGT (1340°F) left side CHT (376°F) right side

Step button can index info forward or backward. All programming done from front panel simply with 2 buttons, no switches or toggles.



Percent of HP using RPM/MAP/OAT, memory & fuel flow shown constantly.

Last column displays Turbine Inlet Temp or Oil Temp.

Adjustable column height.

Digital display of 24 functions such as DigiScan® Fuel Flow, OAT, TIT, IAT, CDT, & Oil Temp.

LF, Lean Find, automatically finds first & last cylinder to peak. Displays histogram of each cylinder that peaks.

The EDM-800 instrument has all the advanced functions of the EDM-700, but incorporates some new features that can only be found on JPI products. No longer do pilots have to waste time looking up and guessing the present percentage of horsepower (HP). There are new easily readable digits located at the top of the EDM display which continually show the percentage of horsepower being used, and can also display RPM. What is truly unique about this new feature is that it can also display HP over lean. HP can be displayed for either carbureted or injected engines, even if they are turbocharged. Now you can be sure that you are within the horsepower limits of your engine, and in IFR conditions, this can be quite a task. At the present time HP is only available on single engine 4 and 6 cylinder engines. The EDM-800 calculates percent of horsepower in an Over lean condition. Lycoming & Continental horsepower charts stop at peak EGT on the first cylinder to peak. Gami has developed a method of going over lean on all cylinders. When you are over lean, every ounce of fuel is burned and used to create horsepower and heat. Cooling is accomplished by excess air in the combustion chamber. JPI has developed an algorithm to calculate horsepower based on fuel consumption and other factors. To obtain HP in this over lean condition you must have an EDM-800 engine analyzer which includes fuel flow, RPM, MAP, OAT, Memory and Gami tuned injectors. In addition to JPI's HP function, the EDM-800 also has a Memory Module that can store up to 25 hours of engine data, which can be downloaded to a laptop or palmtop PC. When using the memory function, all functions of the EDM will be recorded, including Fuel Flow and HP.

Description	Part No.	Price
EDM-800-4C w/Fuel Flow 201 2-1/4"(Fuel Pump)	10-02854	.
EDM-800-4C w/Fuel Flow 201 3-1/8"(Fuel Pump)	10-02021	.
EDM 800-4C w/Fuel Flow 231 2-1/4"(Gravity Fed)	10-02855	.
EDM 800-4C w/ Fuel Flow 231 3-1/8"(Gravity Fed)	10-02843	.
EDM-800-6C w/Fuel Flow 201 2-1/4"(Fuel Pump)	10-02856	.
EDM-800-6C w/Fuel Flow 201 3-1/8"(Fuel Pump)	10-02857	.
EDM 800-6C w/Fuel Flow 231 2-1/4"(Gravity Fed)	10-02859	.
EDM 800-6C w/Fuel Flow 231 3-1/8"(Gravity Fed)	10-02858	.

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## EDM 930 & 930T PRIMARY

True TFT Transflective Custom Display - Display brightness increases with ambient brightness, always sunlight readable. All gages have a Variable Scale and alarm limit to fit your engine. New form factor, panel size: 6" w X 4" h X 2.9" d. Records all engine parameters at 2 to 255 second intervals. Plot the data with EZplot. All probes and transducers supplied. High Flow transducer (120 GPH) included in EDM930T Compatible with and transmits RS-232 data to most MFD's, also sold less the display.

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**PISTON FUNCTIONS:** • Tachometer/Hobbs • Manifold Air Press • 6 EGT/CHT • Oil Temp. • Oil Press • Fuel Quantity • Fuel Press • OAT • Carb. • Temp • TIT, TIT-2 • CDT • GMT • Volts/Amps 1-2 • Differential EGT • Shock cooling • GPH • Fuel remaining • Fuel Endurance • Fuel required to GPS waypoint • Fuel used • Percent of horse power • Receives data from any GPS and transmits data to any GPS.

### FAA TSO PRIMARY

EDM-930-4cyl. - Primary Unit STC'd.....P.N 10-02111 .....
EDM-930-6cyl. - Primary Unit STC'd.....P/N 10-02112 .....
EDM-930-7cyl. - Primary Unit STC'd.....P/N 10-02632 .....
EDM-930-8cyl. - Primary Unit STC'd.....P/N 10-02633 .....
EDM-930-9cyl. - Primary Unit STC'd.....P/N 10-02634 .....



## J.P. INSTRUMENTS EDM-960

The EDM-960 is the latest graphic engine analyzer for Piston Engine Twins from JP Instruments. The EDM-960, STC'd as Primary engine instrument, takes the best from their EDM-760 and adds total engine display monitoring including Tach, % Horsepower, Hobbs, Manifold Pressure, EGT, CHT, Oil Pressure, Oil Temp, Fuel Flow, Outside Air Temp, Volts, and Amps plus optional Fuel Pressure, Fuel Quantity, and Turbine Inlet Temp. Each individual engine display has a scale and alarm limit to fit your particular airplane. As with the popular EDM-760, the EDM-960 has internal memory that records all engine parameters that can be recalled and displayed on your computer to keep track of the health of your engine. Plus: warnings for shock cooling and excess temperatures, leaning assist for both "lean of peak, and "rich of peak".

Description	Part No.	Price
JPI EDM-960-4C	10-03727	.
JPI EDM-960-6C	10-03726	.
JPI EDM-960-7C	11-07750	.
JPI EDM-960-8C	11-07751	.
JPI EDM-960-9C	11-07752	.