

# EDM-700/760/800/900/930 & 450 SYSTEM ORDER FORM

Effective January 1, 2010

**ALL EDM 700/760/800 SYSTEMS are TSO'd and INCLUDES as free:**

- LeanFind (tm) Performs ROP and LOP, automatically finds the first and last cylinder to peak.....included
- Shock cooling checked on all cylinders with an alarm on the cylinder with the highest cooling rate... included
- Voltage, For alternator failure, monitored for over and under voltage with alarms .....included
- Pilot Programmable Hi &Lo alarm limits. ALL programming from front panel .....included
- All EDM's TSO'd for quality with a 3 yr. Warranty Electronics and 1yr. Probes.....included
- Quick response probes, fastest accurate readings, harness and hardware.....included
- Data Memory, reading once every 2 to 255 seconds. ....included
- EZPlot-1 program for downloading data and plotting data.....included
- USB down load port built in with memory stick.....NEW on 730/830 included
- Full color TFT screen 4 inches Diagonal .....NEW on 730/830 included

## **SINGLE Engine EDM-700/800, 4,6,7,8,9 Cylinder with All EGT/CHT probes .**

Part Number	List Price
• EDM-700-4C 4 cylinder (4-EGT and 4-CHT)	\$1475.
• EDM-700-6C 6 cylinder (6-EGT and 6-CHT)	<u>was \$2195 New lower price \$1995.</u>
• EDM-700-7C 7 cylinder (7-EGT and 7-CHT)	\$2395.
• EDM-700-8C 8 cylinder (8-EGT and 8-CHT)	\$2795.
• EDM-700-9C 9 cylinder (9-EGT and 9-CHT)	\$3095.
• EDM-800-4C 4 cylinder with %HP/FF/OAT/MAP/RPM	<u>was \$3270 New lower price \$2970.</u>
• EDM-800-6C 6 cylinder with %HP/FF/OAT/MAP/RPM	<u>was \$3995 New lower price \$3690.</u>
• EDM 711 primary for CHT-OIL and TIT add \$350 to the above prices for each primary	<u>New price +\$350.</u>
• Bigger 3" Display for all above instruments add \$350 to above instruments	+\$350.
• Classic Scanner 100-4C- 4 cyl. 4 EGT and 4 CHT, 8 probes Digital Temp ONLY	<u>New low price \$ 595.</u>
• Classic Scanner 100-6C 6 cyl. 6 EGT and 6 CHT, 12 probes Digital Temp ONLY	<u>New low price \$ 695.</u>
• Fuel Flow option for EDM-700's, Complete with 201 Transducer (flow to 45 GPH)	\$ 600.
• Fuel Flow Electronics option for EDM-700's, functions with any digital transducer	\$ 375.
<b>Trade-in Price</b> for a Basic GEM to an EDM-700 ( Use old system wire harness and EGT/CHT/TIT probes)	<b>\$995.</b>

## **FS-450 Fuel flow instrument, better than FP-5L**

**With Transducer, Fire sleeve and GPS interface.**

PN 450000-G All gravity Flow installations <b>without</b> fuel pump.	\$ 775.
PN 450000-P All Fuel injected engines with fuel pump	\$ 775.
PN 450000 No transducer, indicator and harness only	\$ 675.
PN 450000-R Rotax engine 2-30 GPH Single transducer	\$ 995.
PN 450000-H High flow, range up to 120 GPH.	\$1655.
PN 450000-D Pressure Carburetor engines with vapor return lines. Requires Dual transducers.	\$ 995.
PN 450000-M <b>Twin Fuel Flow</b> , Single Display w/two transducers 2 or 3 inch display	\$1595.
PN AN816-4-4 Qt 2 AN816 -4 hose to ¼ NPT steel fittings	\$ 9.95
PN AN816-6-4 Qt 2 AN816 -6 hose to ¼ NPT steel fittings	\$ 9.95
PN 816 Fiberglass sleeve 1.5" x 8"	\$ 12.00

EDM-730/830 Available and Shipping, 3 day delivery

**SINGLE Engine EDM-730/830, 4,6,7,8,9 Cylinder with All EGT/CHT probes +USB**

Part Number	List Price
• <b>EDM-730-4C</b> 4 cylinder (4-EGT and 4-CHT) + USB	\$1995.
• <b>EDM-730-6C</b> 6 cylinder (6-EGT and 6-CHT) + USB	\$2750.
• <b>EDM-730-7C</b> 7 cylinder (7-EGT and 7-CHT) + USB	\$2995.
• <b>EDM-730-8C</b> 8 cylinder (8-EGT and 8-CHT) + USB	\$3395.
• <b>EDM-730-9C</b> 9 cylinder (9-EGT and 9-CHT) + USB	\$3695.
• <b>EDM-830-4C</b> 4 cyl with %HP/FF/OAT/MAP/RPM/Oil Temp & oil pressure + USB	\$3795.
• <b>EDM-830-6C</b> 6 cyl with %HP/FF/OAT/MAP/RPM/Oil Temp & oil pressure + USB	\$4295.
• <b>EDM-830-7C</b> 7, cyl. with %HP/FF/OAT/MAP/RPM/Oil Temp & oil pressure ,USB	\$4595.
• <b>EDM-830-8C</b> 8, cyl. with %HP/FF/OAT/MAP/RPM/Oil Temp & oil pressure ,USB	\$4895.
• <b>EDM-830-9C</b> 9, cyl. with %HP/FF/OAT/MAP/RPM/Oil Temp & oil pressure ,USB	\$5195.
<b>EXPERIMENTAL ONLY</b>	
• <b>EDM-740-4C</b> 4 cyl with %HP/FF/OAT/MAP/RPM/Oil Temp & oil pressure + Fuel Level	\$2899.
• <b>EDM-740-6C</b> 6 cyl with %HP/FF/OAT/MAP/RPM/Oil Temp & oil pressure + Fuel Level	\$3250.

**UPGRADE EDM 700/800 to an EDM-730/830** for Indicator only. Does not apply to GEM trade in.

( Use old system wire harness and EGT/CHT/TIT probes) **\$1200.**

**Twin upgrade from a EDM-760 to EDM-751 (Two EDM-730's)** **\$2400**

**EDM OPTIONS** (can be added at any time) for singles and twins. List Price

You do not have to send the instrument back everything is plug and play

• ADD RPM to EDM-700/730	\$ 285
• ADD OIL pressure to EDM-700/800 and 730/830	\$ 285
• Oil Temperature each	\$ 165
• OAT, Outside Air Temperature System	\$ 165
• IAT/CDT Induction air, Compressor Temp, and Carb Carburetor Temp. \$165 each	\$ 165
• CHT gasket M-113-3/8 probe (JPI CHT to coexist with Factory bayonet probe or Heaters)	\$ 104
• EGT and CHT replacement probes	\$ 104
• Additional PRIMARY functions of CHT, OIL Temp. and TIT each	<u>New low price</u> \$ 350
• Fuel Flow option (Gal/Hr), Without transducer, STC/ TSO approved	\$ 375
• Fuel Flow option (Gal/Hr), With transducer (201 or 231), STC/TSO approved	\$ 600
• High flow transducer for some 9 cyl. ( 6 to 120 GPH ) TSO'd. Larger available, call	\$ 980
• Extra High fuel flow FT6-8AEXS-LEA-2022 max capacity 6 to 240 gph	\$1147.
• EZTRENDS® Computer program, supplied with kit	\$ Free
• USB Download box with memory stick. No laptop required.	\$ 200.
• USB integrated into old or new EDM 700/800. W/ Memory stick. No laptop required	\$ 285
• Convert to 3" Display for 4,6,7,8,9 cyl on new order or update old instrument	\$ 350.
• Fuel Flow Electronics option for EDM-730's, functions with any digital transducer	\$ 375.
• Fuel flow harness for 700/730	\$ 125.
• 740 Experimental package Fuel Level, Fuel Pressure and AMPS.	\$ 150.

## KITS INCLUDE:

INSTRUMENT	FUNCTIONS INCLUDED	OPTIONAL FUNCTIONS
Edm-700 Plasma	EGT 4 or 6 probes CHT 4 or 6 probes Volts Shock cooling LOP/ROP Power connector EGT/CHT Harness EZTrends Serial Data recording 25 hours	Fuel Flow Oil Temp Oil Pressure RPM OAT TIT CDT IAT CARB Temperature Download box USB built-in with Memory stick
EDM-800 Plasma	EGT 4 or 6 probes CHT 4 or 6 probes Volts Shock cooling LOP/ROP Fuel Flow RPM MAP OAT %HP Power connector All required Harness EZTrends Serial Data recording -25 hours	Oil Temperature Oil Pressure TIT CDT IAT CARB Temperature Download box USB built-in with Memory stick
EDM-730 color	EGT 4 or 6 probes CHT 4 or 6 probes Volts Shock cooling LOP/ROP Power connector EGT/CHT Harness EZTrends USB built in Data recording-100 hrs 256MB memory stick User Selectable Positions for Linear gauges	Fuel Flow Oil Temperature Oil Pressure OAT TIT CDT IAT CARB Temperature RPM MAP %HP
EDM-830 color	EGT 4 or 6 probes CHT 4 or 6 probes Volts Shock cooling LOP/ROP Fuel Flow RPM MAP Oil Temperature Oil Pressure OAT %HP (Req's OAT, RPM, MAP, & FF ) Power connector All required Harness EZTrends USB built in Data recording-100 hrs. 256MB memory stick User Selectable Positions for Linear gauges	CDT IAT CARB Temperature TIT
EDM-740	Same as the EDM-830 plus additional Options  YES! Now with FUEL Level, Fuel Pressure and Amps User Selectable Positions for Linear gauges	CDT IAT CARB Temperature TIT L-Tank Fuel Quantity, level R-Tank Fuel Quantity, level F-P Fuel Pressure AMP Current amps

## ***Twin Engine EDM-760 and EDM-851 Advisory instruments***

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### ***TWIN Engine, Single*** instrument , EDM-760 one 3 1/8" display:

- EDM-760-4C (4-EGT and 4-CHT per engine + Memory, 16 probes) **\$3495.**
- EDM-760-6C (6-EGT and 6-CHT per engine + Memory, 24 probes) **\$4495.**
- Fuel Flow option with two transducers **\$1400**
- Fuel Flow option without transducers **\$1000.**

Options available: Second TIT, OAT, Carb. and Oil Temperature @ \$165.00 ea.

### ***TWIN Engine, Two*** instruments, EDM-750/850 two EDM-700 displays 2.25" ea.

- EDM-750-4C (4-EGT and 4-CHT per engine + Memory, 16 probes) **\$3495.**
- EDM-750-6C (6-EGT and 6-CHT per engine + Memory, 24 probes) **\$4495.**
- EDM-850-4C (4-EGT/CHT per engine + RPM & MAP, Oil Temp./Pressure, OAT, Fuel Flow) **\$6695.**
- EDM-850-6C (6-EGT/CHT per engine + RPM & MAP, Oil Temp./Pressure, OAT, Fuel Flow) **\$8100.**

### ***TWIN Engine, Two*** instruments, EDM-751/851 two EDM-730 displays 3.12" ea.

- EDM-751-4C (4-EGT and 4-CHT per engine + Memory, 16 probes) **\$4390.**
- EDM-751-6C (6-EGT and 6-CHT per engine + Memory, 24 probes) **\$5900.**
- EDM-851-4C (4-EGT/CHT per engine + RPM & MAP, Oil Temp./Pressure, OAT, Fuel Flow) **\$6695.**
- EDM-851-6C (6-EGT/CHT per engine + RPM & MAP, Oil Temp./Pressure, OAT, Fuel Flow) **\$8700.**

Options available: Second TIT, OAT, Carb. and Oil Temperature @ \$165.00 ea.

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## **EDM-930 Primary Pricing for SINGLE engine**

Part Number	TSO & STC Primary approved to replace all engine gages Prices below are for 2 fuel tank system. AML... go to JPITECH.com Now one price for Exp., TSO, Primary EDM-930 systems.	<b>List Price</b>
930-4CP	4 Cylinder complete Primary package. TSO & STC	<b>\$ 4,910.</b>
930-6CP	6 Cylinder complete Primary package. TSO & STC	<b>\$ 5,141.</b>
930-7CP	7 Cylinder complete Primary package. TSO & STC	<b>\$ 5,500.</b>
930-8CP	8 Cylinder complete Primary package. TSO & STC	<b>\$ 5,600.</b>
930-9CP	9 Cylinder complete Primary package, includes a high flow fuel transducer to 125 GPH TSO & STC	<b>\$ 6,675.</b>
4 Tanks system	EDM-930 feature can display 4 fuel tanks. Prices are for 2 fuel tanks add \$990 for two additional fuel tanks.	<b>\$ 990.</b>

## **EDM-960 Primary Pricing for TWIN engine**

Note: Due to the complexity of the fuel quantity systems in Twin Engine Aircraft the prices below assume you are leaving your present fuel quantity system in place.

The EDM-960 Fuel Quantity feature can display up to two Mains and two Aux tanks (4 tanks) **at an additional cost\***.

Part Number	TSO & STC Primary approved to replace all engine gages see JPI AML on web site JPITECH.com	<b>List Price</b>
960-4CP	4 Cylinder complete Primary package. TSO & STC	<b>\$ 13,540.</b>
960-6CP	6 Cylinder complete Primary package. TSO & STC	<b>\$ 14,266.</b>
960-7CP	7 Cylinder complete Primary package. TSO & STC	<b>\$ 14,566.</b>
960-8CP	8 Cylinder complete Primary package. TSO & STC	<b>\$ 14,966.</b>
960-9CP	9 Cylinder complete Primary package, includes a high flow fuel transducer to 125 GPH. TSO & STC	<b>\$ 21,966.</b>
*2 tank system	Fuel Quantity feature using (2) two tanks L/R	<b>Included</b>
*4 Tank system	Fuel Quantity feature using (2) two tanks L/R and (2) Aux tanks	<b>\$ 980.</b>

**HARDWARE INCLUDED: EDM-930/960** Full VGA 6" Flat Panel Color Display all in one box, Pre-Wired Harness. All EGT & CHT Probes, Oil Pressure Transducer, Oil Temperature Transducer, Fuel Pressure Transducer, Fuel Flow Transducer, OAT Probe, RPM Pickups, Manifold Pressure Transducer, Shunt ( Amps), Volts, USB Download/Upload 256 MB Memory Stick, RAD (Remote Alarm Display) and Graphing software. TIT, Volts-2, Amps-2 optional.



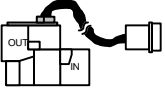



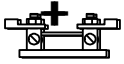

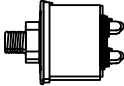

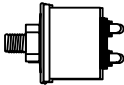

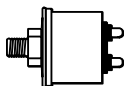

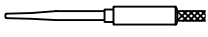

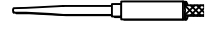



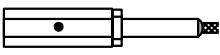





### **FUNCTIONS INCLUDED**

LOP\*^ (Lean of Peak) and ROP (Rich of Peak) leaning,  
Percent HP, EGT, CHT, RPM, Manifold Pressure, Fuel Flow GPH, Fuel Pressure, Fuel to Waypoint, Fuel to Destination\*^, Fuel in Reserve, Nautical and Statute Miles per Gallon, Endurance (time to empty), Fuel Used, Oil Temperature, Oil Pressure, Outside Air Temperature, Volts, Amps, Tach Hobbs Time, Engine Time, Clock Zulu time, Data Recording 1 to 256 seconds\*^, Download software and Graphing software Custom Programmable Redlines, USB interface. Fuel Level (captivities and Resistive)





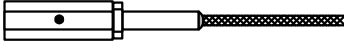





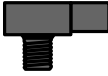
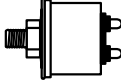






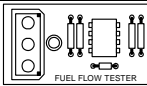
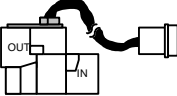
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# SlimLine Advisory instruments

Bright red display with common remote enunciator alarm signal. Specify the red line limit for your aircraft on those gauges that have alarms. All instruments come complete with sensors. All Slims except FS-450 are Size 1" x 2"x 3" deep

Sensor	Instrument	Description	List	TSO	STC
		<b>Tachometer</b> Quartz accuracy to 1 RPM, Resolution 10 RPM, Red line and yellow line alarms, specify. Hall effect sensor. Designed to mount below present Tachometer.	\$495	PMA	STC Advisory
		<b>FS-450 Fuel Flow, 2 1/4 size x 1.5 deep</b> FS-450 Fuel Flow with transducer and GPS Fs-450-D Fuel Flow with Dual transducers for return line systems all in one. FS-450-H Fuel Flow with high fuel transducer for 9 cyl and turbo props, up to 120 GPH, others available	\$ 775 \$ 995. \$1655	TSO	STC
		<b>Manifold Pressure</b> Resolution 0.1 inHg, Accuracy 0.1 inHg, Solid state sensor, Over boost alarm set to 36 inHg. Factory setting can be set to any valve.	\$350		Experimental aircraft only
		<b>Volt/Amp Meter/Shunt included</b> Ammeter/Loadmeter, Resolution 0.1 V/A, Discharge alarm. Shunt capacity to 100 amps	\$295 W Shunt		Experimental aircraft only
		<b>Oil Pressure</b> Resolution 1 psi, Low pressure alarm at 15 psi, 2-160 psi range.	\$295		Experimental aircraft only
		<b>Fuel Pressure Resolution 1 psi, with alarm</b> Injected engine 10 - 32 psi range Carburetor 1 to 8 psi	\$295 \$395		Experimental aircraft only
		<b>Boom Pressure</b> Resolution 1 psi, 2-160 psi range.	\$295		Experimental aircraft only
		<b>Exhaust Gas Temperature</b> Resolution 1 or 10°, High temperature alarm set to 1650° F.	\$295	TSO	FAA approved
		<b>Turbine Inlet Temperature</b> Resolution 1 or 10°, High temperature alarm set to 1650° F.	\$295	TSO	STC as Primary Replacement of original equipment
		<b>Cylinder Head Temperature</b> Resolution 1 degree , High temperature alarm set to 450°F.	\$295	TSO	STC as Primary Replacement of original equipment
		<b>Outside Air Temperature</b> Resolution 1 degree, Range -40 to 195°F. Specify °C or °F	\$295	TSO	FAA approved
		<b>Oil Temperature</b> Resolution 1°, High temperature alarm set to 230°F.	\$295	TSO	STC as Primary Replacement of original equipment
		<b>Carburetor Temperature</b> Resolution 1°F. No Alarms	\$295	TSO	FAA approved

## Replacement Probes and Sensors

		Part number	List price
	EGT probe, High Response	M111	\$104
	CHT probe, spark plug gasket	M113	\$104
	CHT probe, threaded bayonet	5050T	\$104
	TIT probe and extension lead, clamp on	M111T	\$165
	OAT probe with shield and extension lead	400510	\$165
	OIL temperature probe 1/8 NPT, Lycoming and Continental	400505L/C	\$165
	OIL probe collar adapter, 5/8-18 port to 1/8 NPT	400503	\$40
	Carburetor temperature probe, 1/4-24 thread or slim OAT probe	400128	\$165
	Induction air probe, 1/8 pipe or clamp	M1111AT	\$165
	Compressor discharge probe, 1/8 pipe or clamp	M111CDT	\$165
	Manifold pressure sensor, 0 to 60 inches of Hg. 1/8 NPT	604010	\$245
	Oil pressure sensor 0-160 psi 1/8 NPT	3060-18	\$158
	Fuel pressure Injected engine sensor 5-32 psi 1/8 NPT	3060-17	\$150
	Fuel pressure Carburetor, sensor 1/2 to 20 psi 1/8 NPT	790775	\$350
	RPM <b>pressurized</b> mag only sensor for Bendix 20 series	420806	\$395
	RPM <b>pressurized</b> mag only sensor for Bendix 1200 series	420807	\$395
	RPM <b>pressurized</b> mag sensor for Slick 4000, 6000 series	420809	\$395
	<b>Standard</b> RPM vent plug sensor, fits any Bendix	420815-2	\$395
	<b>Standard</b> RPM vent plug sensor, fits any Slick	420815-1	\$395
	Shunt, 50 m.v. / 100 amp	159920	\$75
	Fuel flow tester. Generates pulses simulating Flow Scan fuel flow transducer.	FF TESTER	\$35
	Fuel Flow Transducer Pressure201 or Gravity 231. K-Factor 29.90 and 19.00	700901	\$395

**SATISFACTION GUARANTEED: JPI purchased Kits returned in 30 days from invoice date in original box unused, no questions asked. No restocking fee. 15% restocking fee for kits returned after 30 days unused. No returns after 6 months. Prices subject to change without notice Delivery: 2 days**

**J.P. INSTRUMENTS, inc.**

PO BOX 7033, Huntington Beach CA 92646. Tel: 714-557 3805, 1-800-345-4JPI (ALL States), FAX: (714) 557-