

# JPI ENGINE SCANNERS

## JPI EDM-350 EXPERIMENTAL ENGINE MONITORING SYSTEM



If all you want is EGT/CHT then the basic kits gives you everything you could want in a compact size with full customization features and the legendary JPI quality and accuracy. The Engine Data Management 350 system is the most cost effective, reliable piston engine experimental EDM instrument on the market. The basic kit includes: • EGT - Exhaust Gas Temperature • CHT - Cylinder Head Temperature • Included - Probes and Harness • VDC - Voltage • CLD - Shock Cooling on "All" Cylinders • ROP/LOP - Lean Find • DIFF - Engine Health • USB - Data Port built in • Data Record - 600 Hrs. at every 6 sec • EZTrends - Graphing software, including Google Earth Location

The compact Engine Data Management 350 system (3.5" square) is the most advanced and accurate piston experimental engine-monitoring instrument on the market. The EDM 350 is not just another black box along for the ride. It is a Flight Engineer, Maintenance Manager, and Backup Instrument. For the price there is nothing that gets close to it. Customize with 17 options, including FF. You can think of the EDM 350 as your personal flight engineer. It's always there, working in the background, constantly watching over your engine while you concentrate on flying the aircraft. You can make an entire flight without ever pushing a button, if you so choose. Yet your EDM will be monitoring your engine parameters three times a second and will warn you instantly if any parameter exceeds the programmed limit.

Description	Part No.	Price
4 Cylinder Basic Package	10-06582	---
6 Cylinder Basic Package	10-06583	---

Full Package adds Amps, Volts, Fuel Pressure, and Fuel Level.

Description	Part No.	Price
4 Cylinder Full Package	10-06845	---
6 Cylinder Full Package	10-06846	---

## J.P. INSTRUMENTS EDM-790 ENGINE MONITORING SYSTEM



The EDM 790 system is the most advanced and accurate twin piston engine-monitoring instrument on the market. TSO'd for quality, the EDM 790 is not just another black box along for the ride. It is a Flight Engineer ... a Maintenance Manager ... For the price there is nothing that gets close to it. You can almost think of the EDM 790 as your personal flight engineer. It's always there, working in the background, constantly watching over your engine while you concentrate on flying the aircraft. You can make an entire flight without ever pushing a button, if you so choose. Yet your EDM will be monitoring your engine parameters three times a second and will warn you instantly if any parameter exceeds the programmed limit.

**Features:** • EGT 4 or 6 probes • CHT 4 or 6 probes • Volts • Shock cooling • Span (highest to lowest EGT) • EGT Normalize mode • LOP/ROP function • Power connector • All required Harness 20 ft • EZTrends Graphing Software free • Serial Data recording -25 hours • 3 year Warranty

**Specifications:** • FAA Approved under TSO-C43B, DO-160C, DO-178B Level C & STC, SA 2586 NM • Size 3-1/8 in panel mount 7.5 deep. Weight: 1 LB. • Standard Functions LeanFind, EGT/CHT, Shock Cooling, Voltage, Differential EGT, Normalize, Long term data module for Data Logging and TIT (if applicable for Engine). • Optional Functions Fuel Flow, Oil Temperature 1 & 2, Turbine Inlet 2 (TIT-2), Outside Air (OAT) and Carburetor Temperature (CRB).

4 Cylinder .....P/N 10-05648  
6 Cylinder .....P/N 10-05649



## 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.  
**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.

**Features:** • Hands-free, automatic scanning • All programming done from the Front Panel • LeanFind™ finds the first and last cylinder to peak with true peak detect eliminates false peaks • Displays both leaned temperature below peak and peak • Battery voltage with alarm • Amperes (load or charge/discharge meter) • Programmable alarm limits • Normalize view • Exhaust Gas Temperatures (EGTs) to stable 1°F resolution • DIF low to high EGT with alarm • EGTs to stable 1°F resolution • Shock cooling monitored on every cylinder • Shock cooling monitored on every cylinder • User selectable index rate • Fast response probes • Non-volatile long term memory • Records and stores data up to 30 hours • Post-flight data retrieval • Download to Palm™ Computer • Data retrieval software • Oil pressure • Oil temperature • Outside air temperature • Fuel level • Fuel Flow • Solid-state rotor fuel flow transducer • Fuel quantity in gallons, kilograms, liters, or pounds • Low fuel quantity alarm • Low fuel time alarm • GPS interface • Instantaneous fuel flow rate • Total amount of fuel consumed • Total fuel remaining • Time to empty at the current fuel flow rate • RPM and manifold pressure • Automatically calculates percent horsepower • History of extreme values during previous flight • Hobbs® timer

**IF NECESSARY PAPERWORK IS NOT PROVIDED & ANY CHANGES ARE REQUIRED, THERE WILL BE A \$200 FEE**

### FAA TSO PRIMARY

Description	Part No.	Price
EDM-930 (4)Cylinder Primary STC No Tank System	10-04909	---
EDM-930 (4) Cylinder Primary STC 2 Tank System	10-02111	---
EDM-930 (4) Cylinder Primary STC 4 Tank System	10-04731	---
EDM-930 (6) Cylinder Primary STC No Tank System	10-04911	---
EDM-930 (6) Cylinder Primary STC 2 Tank System	10-02112	---
EDM-930 (6) Cylinder Primary STC 4 Tank System	10-04732	---
EDM-930 (7) Cylinder Primary STC	10-02632	---
EDM-930 (8) Cylinder Primary STC	10-02633	---
EDM-930 (9) Cylinder Primary STC	10-02634	---

### EXPERIMENTAL PRIMARY

Description	Part No.	Price
EDM-930-4CP-0 (4 Cyl) for NO Tanks	10-05236	---
EDM-930-4CP-2 (4 Cyl) for 2 Tanks	10-05237	---
EDM-930-4CP-4 (4 Cyl) for 4 Tanks	10-05238	---
EDM-930-6CP-0 (6 Cyl) for NO Tanks	10-05239	---
EDM-930-6CP-2 (6 Cyl) for 2 Tanks	10-05240	---
EDM-930-6CP-4 (6 Cyl) for 4 Tanks	10-05241	---
EDM-930-7CP (7 Cyl) for 4 Tanks	10-05242	---
EDM-930-8CP (8 Cyl) for 4 Tanks	10-05243	---
EDM-930-9CP (9 Cyl) High Flow Transducer	10-05244	---

## ULTRAFLEX BRAIDED FIBERGLASS PROBE SLEEVES



Replacement 1/2 IN X 5 IN braided fiberglass sleeves like those furnished with JPI probes.  
P/N 10-06282

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