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**PRICES SUBJECT TO CHANGE WITHOUT NOTICE**
TWIN PISTON ENGINE SOLUTION:

MVP-50P FOR PISTON ENGINE AIRCRAFT
(STC’d and TSO’d as Primary Replacement)

Without question, the MVP-50P is the industry’s finest engine analyzer and systems monitor. The MVP-50P is a full color, glass-paneled, completely customizable engine analyzer. The MVP-50P allows pilots to accurately monitor dozens of engine and system parameters, program redline limits, set up custom inputs, create interactive checklists, store general flight information, build flight plans, record and review pertinent data from every flight, and so much more. The MVP-50P has been designed with the same thoughtful engineering that goes into every EI product, so even though the MVP-50P is by far the most powerful system in the industry, it is sure to be one of the easiest systems to use in your cockpit.

SPECIFICATIONS: 5.52” x 5.16” x 2.43” depth. Viewable in direct and indirect sunlight.

HARDWARE: All of the probes and transducers are connected to the EDC (Engine Data Converter). This small box (4.5” x 3.5” x 2.2”) converts all engine data to serial data, which is then provided to the MVP-50P via two wires. This reduces installation time and the wire bundle to the instrument panel by over 100 wires. The EDC can interface with any probe or transducer. The EDC comes prewired (i.e., the harnesses are provided with each MVP-50P package).

TWIN PISTON ENGINE SOLUTION:

Two MVP-50Ps provide the ultimate solution for a twin-engine aircraft. The moment an engine problem arises with one of the engines the digital display for the out-of-limit function will blink in the color of its current operating range. In addition, an external caution or warning light will blink giving the pilot the earliest possible indication of an issue. All the information needed for the engine in question is in a single display. You do not have to hunt all over the instrument panel to find the data necessary to make a decision.

The accuracy of the digital display for each engine parameter (M.P., RPM, Fuel Flow, etc.) allows the pilot to balance each engine’s performance and synchronize the props with ease. Check out our website and see some of the twin-engine installations and the 14 additional screens available for the MVP-50P.
ALL PACKAGES INCLUDE:

**HARDWARE INCLUDED:**
- MVP-50P Color Display Unit
- EDC Engine Data Converter
- Prewired Harness
- All EGT & CHT Probes and Cables
- Oil Pressure Transducer and Cable
- Oil Temperature Probe and Cable
- Fuel Pressure Transducer and Cable
- Fuel Flow Transducer and Cable
- OAT Probe and Cable
- Two RPM Pickups and Cables
- Manifold Pressure Transducer and Cable
- Shunt (for AMPS) and Cable
- Volts Pickup
- 1,000+ Hrs Data Recording
- USB Memory Stick
- AL-1R and AL-1Y (External Cautionary and Warning Lights)
- AV-17 Voice Warning (For Experimentals Only)
- Annunciator Interface
- Resistive Fuel Interface

**OTHER FUNCTIONS INCLUDED:**
- Help Screen
- EGT Differential
- CHT Differential
- Shock Cooling
- Horsepower
- Weight and Balance Data
- Weight and Balance Graph
- GPS Interface and Data
- Fuel Efficiency
- Fuel Used for the Trip
- Fuel Used Since Fill Up
- Time to Empty
- Distance to Empty
- Fuel to Waypoint
- Data Recording
- Time to Waypoint
- Distance to Waypoint
- Fuel Reserve
- Time Reserve
- Distance Reserve
- Up Timer
- Down Timer
- Flight Timer
- Tach Timer
- Engine Hours
- Date
- Local Time
- Zulu Time
- Voice Warnings (For Experimentals Only)
- Chelton & GRT Output

**EXPERIMENTAL A/C PACKAGES**

| MVP-50P-4: 4-Cylinder Package | $ 6,000 |
| MVP-50P-6: 6-Cylinder Package (For Engines over 350 hp specify the FT-90 Fuel Flow Transducer) | $ 6,500 |
| MVP-50P-7: 7-Cylinder Radial Package (For Engines over 350 hp specify the FT-90 Fuel Flow Transducer) | $ 6,400 |
| MVP-50P-8: 8-Cylinder Air Cooled Package (Comes with two EDC-33Ps) | $ 7,200 |
| MVP-50P-8W: 8-Cylinder Water Cooled Package | $ 6,200 |
| MVP-50P-9: 9-Cylinder Radial Package (Comes with two EDC-33Ps) | $ 7,200 |
| MVP-50P-12W: 12-Cylinder Water Cooled Package (Thunder Mustang) | $ 6,300 |
| MVP-50P-4/6-FADEC: 4 or 6-Cylinder FADEC Aerosance Package | $ 5,700 |

**CERTIFIED PACKAGES**

*(TSO’d, STC’d. See AML for applicable aircraft)*

| MVP-50P-4-C: 4-Cylinder Package | $ 7,000 |
| MVP-50P-6-C: 6-Cylinder Package | $ 7,500 |
| MVP-50P-7-C: 7-Cylinder Package | $ 7,800 |
| MVP-50P-8-C: 8-Cylinder Package (Comes with two EDC-33Ps) | $ 8,200 |
| MVP-50P-9-C: 9-Cylinder Package (Comes with two EDC-33Ps) | $ 8,500 |
| MVP-50P-4T-C: Twin 4-Cylinder Package (two MVP-50P Packages, two EDC-33Ps) | $14,600 |
| MVP-50P-6T-C: Twin 6-Cylinder Package (two MVP-50P Packages, two EDC-33Ps) | $15,600 |

**ORDERING INFO.**

An MVP-50P Configuration Worksheet must be filled out for each MVP ordered. This Configuration Worksheet provides information necessary to set up the MVP-50P for your aircraft. It also provides information to help you select options you may want to add to the system. You can download the Configuration Worksheet from our website.
MVP-50P Piston Engine Aircraft

OPTIONS

(For all MVP-50P packages listed in this Price List, some items are included in the package price.)

Type-K Cable: XDO-8’-MVP, Type K, 8-foot extension cable with connectors and D-Sub pins ($1.60 for each additional foot) $48
Four-Wire Cable: Cbl-4D-8’-MVP, 8-foot four-wire cable with connectors and D-Sub pins. ($1.60 for each additional foot) $59
G-Meter: GS-3, 0.1g resolutions, +/- 8 g’s max, for recording g’s during the entire flight $495
TIT Probe: specify P-111 (1/8” NPT), P-112 (7/16”-20) or P-114 (1/4” NPT), less cable $128
Carb Temp Probe: P-128, 1/4”-28, less cable $116
Aux Volts and Amps: FM-VA-3 module. Provides three each Amp channels and three each Volt channels. Specify an S-50 (100amp, standard) or S-300 (300amp) shunt $195
Vacuum Pressure: PT-05Diff, 0 to 6 In Hg $228
Airspeed: PT-05Diff, 0 to 350 Kts indicated $228
Pressure Altitude: PT-30Alt, up to 40,000 ft $395
Cabin Altitude: PT-30ABS, up to 20,000 ft $228
Cabin Differential Pressure: PT-05Diff, 0 to 6 In Hg $228
High Manifold Pressure: PT-60ABS, 0 to 70 In Hg $250
Hydraulic Pressure: PT-3000S, 0 to 3,000 psi $348
H2O Pressure: PT-04H20, measures pressure from 0 to 5” of water. Measure cowl, induction, ballonets, drag, etc. $250
Upper Deck Pressure: PT-30GA, 0 to 40 psi, for measuring Fuel Pressure on a turbocharged aircraft $228
Capacitive Fuel Level Probe: P-300C (3/4”) with Accessories (see Accessories at the back of this document) $456
Mini Capacitive Fuel Level Probe: P-300C Mini (see Accessories at the back of this document) $344
Magnetic Float Sensor: P-300M, accurate replacement for a resistive sensor (see Accessories at the back of this document) $496
Balance Fuel Probes in a Tank: FLAM-4, adds up to 4 Capacitive Fuel Level Probes and Provides 1 Output $475
Fuel Flow Differential Module: FFDM-1-xx, for aircraft with a pressure carburetor Includes FT-60 or FT-90 flow transducer to measure the returned fuel. Specify FT-60 or FT-90 flow transducer $456
Fuel Flow Add Module: FFAM-1 adds flow from two feed lines. Specify FT-60 or FT-90 flow transducer $395
Fuel Flow from a Pulsed Injector: FM-Flow-P, measures Fuel Flow from a pulsed injector signal $395
Carbon Monoxide Detector: by CO Guardian, Requires an RS232 Input Port 3 on the MVP, unit also provides Cabin Pressure (Altitude) and Cabin Temperature $695
Real-Time Data Out: RTDO, provides Real Time Data out of the MVP-50 $667
Gear Status: Adds Gear Position Indicators $995
SureFly Ignition Interface: VI-2UF $48

ACCESSORIES

MVP Sub-panel: Makes installation of the MVP in an existing aircraft panel much easier. A 10.1” x 10.5” x .062” aluminum panel with a cutout for the MVP. This panel can be cut to size allowing front mounting of the MVP. $96
MVP-50P, Display Only, Non TSO’d: 1 EDC can drive multiple MVP-50P Displays. $3,550
MVP-50P, Display Only, TSO’d: 1 EDC can drive multiple MVP-50P Displays. $4,550
EDC-33P: Engine Data Converter. Adding a second EDC to the MVP, provides 30 additional channels. Requires Port 3. $1,496
EGView: EGView Charting Software. Use for analyzing and downloading data to the MVP-50P. — (No Discounts) $125
USB-8G: USB Memory Stick, 8GB or larger. Used to upload and download data to the MVP-50P. $12
CP-1-A: LED Intensity Control Pot. External pot used to control the display intensity of the MVP-50P. $68
USB-6A: PMA’d and STC’d USB Smart Charger for CGR-30 Primary Engine Monitor System $195
ENGINE AND SYSTEM MONITORING: The MVP-50T is a TSO’d unit that replaces over 15 engine instruments and 50 functions in a single full-color glass panel display. The MVP-50T features programmable colors, ranges, limits and a voice alarm (for experiments only) for each instrument displayed. A system page displays trims, flaps, gear status lights and many system parameters. Also, the MVP-50T incorporates a Crew Alert System (CAS) with 27 annunciators located at the top of the Main Engine Display Screen. These annunciators may be customized and programmed to display any color for the appropriate input signal and can have a voice warning (for OEMs and experiments only) associated with them.

IN-FLIGHT DATA: The MVP-50T provides many “Flight Data Screens” to reduce cockpit clutter and pilot workload. Some of these screens are: Fuel Management, Timers, Clocks and Date, Weight and Balance, Data Recording, Custom Checklists, Custom Flight Plans, General Information, Flight Log, Start Log, Max Data Log, Min Data Log and other screens. The pilot can easily generate custom checklists and flight plans and download them to the MVP-50T through the USB port.

HARDWARE: All of the probes and transducers are connected to the EDC (Engine Data Converter). This small box (4.5” x 3.5” x 2.2”) converts all engine data to serial data, which is then provided to the MVP-50T via two wires. This reduces installation time and the wire bundle to the instrument panel by over 100 wires. The EDC can interface with any EI probe or transducer. The EDC comes pre-wired (i.e., the harnesses are provided with each MVP-50T package).

TWIN ENGINE SOLUTION:

OPTIONS: For a twin-engine turboprop aircraft, there are several options. You can choose a single MVP-50T with 8 arcs on the Main Screen as shown at the left. This only leaves you with 6 additional digital gauges on the Main Screen and 4 strips and 7 digital gauges on the System Screen.

OPTIMAL COMBINATION: The most elegant option is to choose two MVP-50T systems configured as shown. This gives you 8 arc gauges, 12 strip gauges, 12 digital gauges and 38 annunciators all on the Main Screen. Also, as a backup, you can put some of the primary gauges shown on the Top MVP Display onto the System Screen of the Bottom MVP Display.

A CONSOLIDATED VIEW: This combination of MVP-50Ts provides a consolidated view of instruments, gauges and annunciators that can clean up a crowded instrument panel while providing an accurate and reliable group of well-placed functions. One of the many impressive features of the MVP-50T is its ability to alert the pilot the moment a function or annunciator exceeds its programmed limit. Also, all data is recorded every 1/3 of a second for trend and limit analysis. Our MVP-50T Twin Engine Configuration Worksheet will help you configure the units (see iflyEi.com > Downloads > look under “MVP-50T”).

SPECIFICATIONS: 5.52” x 5.16” x 2.43” depth. Accuracy: 1/2%. Viewable in direct and indirect sunlight. Backlit for night operation.
ALL PACKAGES INCLUDE:

**HARDWARE INCLUDED:**
- MVP-50T Color Display Unit
- EDC Engine Data Converter
- N1 and N2 Pickup
- ITT Cable
- Torque Pressure Transducer
- Oil Pressure Transducer
- Oil Temperature Probe and Cable
- Fuel Pressure Transducer
- Fuel Flow Transducer
- OAT Probe and Cable
- Shunt (for AMPS)
- Volts Pickup
- USB Download/Upload Memory Stick
- 1000+ Hrs Data Recording
- AL-1R External Red Warning Light
- AL-1Y External Yellow Caution Light
- AV-17CP Voice Warning (For Experimental A/C Only)
- Resistive Fuel Interface

**OTHER FUNCTIONS INCLUDED:**
- Help Screen
- Weight and Balance Data
- Weight and Balance Graph
- GPS Interface and Data
- Fuel Efficiency
- Fuel Used for the Trip
- Fuel Used Since Fill up
- Time to Empty
- Distance to Empty
- Fuel to Waypoint
- Time to Waypoint
- Distance to Waypoint
- Fuel Reserve
- Time Reserve
- Distance Reserve
- Up Timer
- Down Timer
- Flight Timer
- Engine Hours
- Cycles
- Date
- Local Time
- Zulu Time
- Voice Warnings (For Experimental A/C Only)

**PRICING:**

**MVP-50T FOR AG AIRCRAFT**

<table>
<thead>
<tr>
<th>Certification</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certified: (TSO’d, STC’d. See AML for applicable aircraft)</td>
<td>$10,400</td>
</tr>
<tr>
<td>Non-Certified:</td>
<td>$7,400</td>
</tr>
</tbody>
</table>

For Non-Ag Aircraft Turboprop and Jets, Please call (541) 318-6060 for Pricing.

**ACCESSORIES**

- **MVP Sub-panel:** A 10.1” x 10.5” x .062” aluminum panel with a cutout for the MVP | $96
- **MVP-50T (Display Only):** 1 EDC can drive multiple MVP-50T Displays, Non TSO’d unit | $5,200
- **MVP-50T (Display Only):** 1 EDC can drive multiple MVP-50T Displays, TSO’d unit | $6,500
- **EDC-33T:** Engine Data Converter. Adding a second EDC to the MVP provides 30 additional channels | $2,996
- **USB-8G:** USB Memory Stick, 8GB or larger. Used to upload and download data to the MVP-50T | $12
- **CP-1-A:** LED Intensity Control Pot. External pot used to control the display intensity of the MVP-50T | $68
**OPTIONS**

(For all MVP-50T packages listed on this price list, some items are included in the package price.)

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type-K Cable: XDO-8’-MVP, Type K, 8-foot extension cable with connectors and D-Sub pins ($1.60 for each additional foot)</td>
<td>$48</td>
</tr>
<tr>
<td>Four-Wire Cable: Cbl-4D-8’-MVP, 8-foot four-wire cable with connectors and D-Sub pins. ($1.60 for each additional foot)</td>
<td>$59</td>
</tr>
<tr>
<td>G-Meter: GS-3, 0.1g resolution, +/- 8 Gs max, for recording Gs during the entire flight</td>
<td>$495</td>
</tr>
<tr>
<td>TIT Probe: specify P-111 (1/8” NPT), P-112 (7/16”-20) or P-114 (1/4” NPT), less cable</td>
<td>$128</td>
</tr>
<tr>
<td>Oil Temp Probe: P-120-PA1 (7/16in - 20)</td>
<td>$195</td>
</tr>
<tr>
<td>Carb Temp Probe: P-128, 1/4&quot;-28, less cable</td>
<td>$116</td>
</tr>
<tr>
<td>Aux Volts and Amps: FM-VA-3 module. Provides three each Amp channels and three each Volt channels. Specify a S-50 (100amp, standard) or S-300 (300amp) shunt</td>
<td>$195</td>
</tr>
<tr>
<td>Vacuum Pressure: PT-05Diff, 0 to 6 In Hg.</td>
<td>$228</td>
</tr>
<tr>
<td>Airspeed: PT-05Diff, 0 to 350</td>
<td>$228</td>
</tr>
<tr>
<td>Pressure Altitude: PT-30Alt, up to 40,000 ft</td>
<td>$395</td>
</tr>
<tr>
<td>Cabin Altitude: PT-30ABS, up to 20,000 ft</td>
<td>$228</td>
</tr>
<tr>
<td>Cabin Differential Pressure: PT-05Diff, 0 to 6 In Hg.</td>
<td>$228</td>
</tr>
<tr>
<td>High Manifold Pressure: PT-60ABS, 0 to 70 In Hg.</td>
<td>$250</td>
</tr>
<tr>
<td>Hydraulic Pressure: PT-3000S, 0 to 3,000 psi.</td>
<td>$250</td>
</tr>
<tr>
<td>H2O Pressure: PT-04H20, measures pressure from 0 to 5” of water. Measure cowls, induction, ballonets, drag, etc.</td>
<td>$348</td>
</tr>
<tr>
<td>Upper Deck Pressure: PT-30GA, 0 to 40 psi, for measuring Fuel Pressure on a turbocharged aircraft</td>
<td>$228</td>
</tr>
<tr>
<td>Capacitive Fuel Level Probe: P-300C (3/4”) with Accessories (see Accessories at the back of this document)</td>
<td>$456</td>
</tr>
<tr>
<td>Mini Capacitive Fuel Level Probe: P-300C Mini (see Accessories at the back of this document)</td>
<td>$456</td>
</tr>
<tr>
<td>Magnetic Float Sensor: P-300M, accurate replacement for a resistive sensor (see Accessories at the back of this document)</td>
<td>$496</td>
</tr>
<tr>
<td>Balance Fuel Probes in a Tank: FLAM-4, adds up to 4 Capacitive Fuel Level Probes and provides 1 Output</td>
<td>$475</td>
</tr>
<tr>
<td>Fuel Flow Differential Module: FFDM-1-xx, for aircraft with a pressure carburetor. Includes FT-60 or FT-90 flow transducer to measure the returned fuel. Specify FT-60 or FT-90 flow transducer</td>
<td>$456</td>
</tr>
<tr>
<td>Fuel Flow Add Module: FFAM-1 adds flow from two feed lines. Specify FT-60 or FT-90 flow transducer</td>
<td>$456</td>
</tr>
<tr>
<td>Fuel Flow from a Pulsed Injector: FMFlow-P, measures Fuel Flow from a pulsed injector signal</td>
<td>$395</td>
</tr>
<tr>
<td>Carbon Monoxide Detector: by CO Guardian, Requires an RS232 Input Port 3 on the MVP, unit also provides Cabin Pressure (altitude) and Cabin Temperature.</td>
<td>$695</td>
</tr>
<tr>
<td>Real-Time Data Out: RTDO, provides Real Time Data out of the MVP-50</td>
<td>$667</td>
</tr>
</tbody>
</table>
**CGR-30P COLOR ENGINE MONITOR**  
**STC’d and TSO’d as Primary Replacement**

Our STC’d/TSO’d CGR-30P can replace your aircraft’s tachometer and MANY of your existing primary instruments. Because the CGR-30P is installed in a standard 3-1/8” hole, it doesn’t protrude from your panel or cover adjacent instruments. This gives the CGR-30P a distinct advantage over the competition because it seamlessly integrates into your panel, is easy to install and is the perfect size to fit into an aircraft panel.

One of the many impressive features of the CGR-30P is its ability to alert the pilot the moment a function exceeds its programmed limit. All engine data is displayed in one location. There’s no need to search the entire instrument panel to obtain critical data.

Our CGR-30P Configuration Worksheet will help you configure your instrument.  
(see iFlyEi.com > Downloads > look under “CGR-30P.”)

**SPECIFICATIONS:**  
3.125” x 3.125” x 4.45” depth.  
Accuracy: 1/2%. Viewable in direct and indirect sunlight.  
Backlit for night operation.

**AVAILABLE FUNCTIONS:**

The CGR-30P features a state-of-the-art, full-color bar graph which assists with ROP/LOP leaning. Additionally, the bar graph provides both “normalized” and digital readout screens. Other bar graphs don’t provide nearly as many options as CGR-30P. In addition to its bar graph, the CGR-30P can be configured to display a combination of the functions listed at the right.

<table>
<thead>
<tr>
<th>Function</th>
<th>Function</th>
<th>Function</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPM</td>
<td>Fuel Pressure</td>
<td>Flight Timer</td>
<td></td>
</tr>
<tr>
<td>M.P.</td>
<td>Fuel Level</td>
<td>Tach Timer</td>
<td>Local Time</td>
</tr>
<tr>
<td>EGT/CHT Bar Graph</td>
<td>Fuel Flow</td>
<td>Zulu Time</td>
<td>Annunciators</td>
</tr>
<tr>
<td>Oil Pressure</td>
<td>Fuel Remaining</td>
<td>Data Recording</td>
<td>USB Port</td>
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<tr>
<td>Oil Temperature</td>
<td>Fuel Used</td>
<td></td>
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<tr>
<td>TIT</td>
<td>Fuel -GPS Related Data</td>
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<tr>
<td>Hyd Pressure</td>
<td>Low Fuel Alarm</td>
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<td>C.O.</td>
<td>Recurring Fuel Alarm</td>
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<tr>
<td>OAT</td>
<td>Volts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vac.</td>
<td>Amps</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**AVAILABLE SCREENS:**

In addition to the “Main Screen”, the CGR-30P offers a “Secondary Screen”, a “Fuel Quantity Screen” and a “GPS Data Screen.” These additional screens give the CGR-30P flexibility not found in other engine instruments.

**SECONDARY SCREEN**

This screen displays six additional functions on the CGR-30P, as well as annunciators to display Main Screen alerts.

**GPS DATA SCREEN**

This screen allows you to select between Fuel Flow, Fuel Remaining and GPS-related data.

**FUEL QUANTITY SCREEN**

This screen displays the estimated Fuel Remaining for each tank, based on current Fuel Flow.
**CGR-30P BASIC**  
*(STC’d and TSO’d as Primary Replacement)*

**Included:** RPM, Fuel Flow, EGT/CHT Bar Graph, Fuel Remaining, Volts, OAT, Tach Time, Local Time, Zulu Time, Flight Timer, Fuel Used for the Flight, Fuel Used Since Fill Up and all GPS/Fuel Flow Data. No additional function can be added.

**PRICING:**

<table>
<thead>
<tr>
<th>Cylinder</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>4-Cylinder</td>
<td>$3,798</td>
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<tr>
<td>6-Cylinder</td>
<td>$4,598</td>
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<td>7-Cylinder</td>
<td>$5,448</td>
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<tr>
<td>8-Cylinder</td>
<td>$5,468</td>
</tr>
<tr>
<td>9-Cylinder</td>
<td>$5,498</td>
</tr>
</tbody>
</table>

**UPGRADES**

4 or 6-Cyl. with Trade-In Engine Analyzer .............................................................. $3,498*  
* $300 Engine Analyzer core deposit required per order.

4 or 6-Cyl. with Trade-In Engine Analyzer + Fuel Flow ............................................... $3,398*  
* $400 Engine Analyzer & Fuel Flow Instrument core deposit required per order.

---

**CGR-30P PREMIUM**  
*(STC’d and TSO’d as Primary Replacement)*

**Included:** RPM (Arc Gauge), EGT/CHT Bar Graph, Fuel Remaining, Fuel Used, GPS/Fuel Flow Data, Eng Time and Tach Time.

**Pick Four Primary Functions From:**


**Pick Up To Five Additional Functions at No Cost:**

- OAT, HP (requires RPM and MP), Flight Timer, Local Time, Zulu Time, Hydraulic Press, Fuel Flow (If not selected as a primary), G-Meter, Fuel Level(s) for a tank that does not feed the engine, Carb Temp or IAT, Amps, or Second Amp Measurement.

**PRICING:**

<table>
<thead>
<tr>
<th>Cylinder</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-Cylinder</td>
<td>$4,598</td>
</tr>
<tr>
<td>6-Cylinder</td>
<td>$4,998</td>
</tr>
<tr>
<td>7-Cylinder</td>
<td>$5,898</td>
</tr>
<tr>
<td>8-Cylinder</td>
<td>$5,948</td>
</tr>
<tr>
<td>9-Cylinder</td>
<td>$5,998</td>
</tr>
</tbody>
</table>

**UPGRADES**

4 or 6-Cyl. with Trade-In Engine Analyzer .............................................................. $4,298*  
* $300 Engine Analyzer core deposit required per order.

4 or 6-Cyl. with Trade-In Engine Analyzer + Fuel Flow ............................................... $4,098*  
* $400 Engine Analyzer & Fuel Flow Instrument core deposit required per order.
CGR-30P TWIN PACKAGE
(STC’d and TSO’d as Primary Replacement)

Two Premium CGR-30P heads included at PRICES listed below. Options below are per head.


PICK SECOND ARC FOR EACH HEAD:
M.P. or Fuel Flow

PICK FOUR PRIMARY FUNCTIONS FOR EACH HEAD:
Oil P, Oil T, Fuel Flow, Fuel Pressure, Main Fuel Levels (Fuel level sensors not included), Aux Fuel Level, TIT, Vac, Volts and Carbon Monoxide Detector (Additional $695).

PICK UP TO FIVE ADDITIONAL FUNCTIONS AT NO COST:
OAT, HP (requires RPM and MP), Flight Timer, Local Time, Zulu Time, Hydraulic Press, Fuel Flow (If not selected as a primary), G-Meter, Fuel Level(s) for a tank that does not feed the engine, Carb Temp or IAT (For both heads), Amps (Left & Right) or Third Amp Measurement.

PRICING:

CGR-30P TWIN PACKAGE

4-Cylinder: $8,998
6-Cylinder: $9,998

CGR-30P TWIN COMBO PACKAGE (Two Premium CGR-30P’s and One CGR-30C)

PRICING:

TWIN CGR-30P + CGR-30C

4-Cylinder: $10,698
6-Cylinder: $11,598

UPGRADES

4 or 6-Cyl. with Trade-In Engine Analyzer $9,398*
* $300 Engine Analyzer core deposit required per order.

4 or 6-Cyl. with Trade-In Engine Analyzer + Fuel Flow $8,998*
* $400 Engine Analyzer & Fuel Flow Instrument core deposit required per order.
CGR-30C for Single-Engine Piston Aircraft

CGR-30C PACKAGE
(STC’d and TSO’d as Primary Replacement)

The CGR-30C can replace up to 16 Primary Instruments, so you can remove an ENTIRE INSTRUMENT CLUSTER and replace with a single 3-1/8” instrument. Oil Temperature/Pressure, Fuel Pressure, even Fuel Level instruments can now be removed to give you the peace of mind that comes from flying behind world-class, technologically advanced engine and system monitoring equipment.

Another option is to replace your RPM, Manifold Pressure and cluster gauges with our accurate and reliable CGR-30C and keep your current engine analyzer. Removing your RPM gauge provides the mounting location for the CGR-30C.

SPECIFICATIONS: Each instrument fits standard 3 1/8” Hole. Dimensions: 3.125” x 3.125” x 4.45” depth. Accuracy: 1/2%. Viewable in direct and indirect sunlight. Backlit for night operation. STC’d and TSO’d as Primary Replacements.

CHECKLIST

PICK UP TO 8 ADDITIONAL FUNCTIONS:
HP (Requires RPM, Manifold and EGT), Engine Time (Requires RPM), Tach Time (Requires RPM), Flight Timer (Requires RPM), Local Time, Zulu Time, Volts, Amps, Carbon Monoxide Detector (Additional $695).

PRICING:

CGR-30C PACKAGE
INCLUDES 6 ANNUNCIATORS TIED TO EXTERNAL SWITCHES

<table>
<thead>
<tr>
<th></th>
<th>Without EDC</th>
<th>With EDC</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$2,598</td>
<td>$3,098</td>
</tr>
</tbody>
</table>

If the CGR-30C is operating with a CGR-30P in the panel, an EDC will NOT be required.
CGR-30 COMBO Package

CGR-30 COMBO PACKAGE INCLUDES:

HARDWARE INCLUDED:
- Primary Replacement RPM
- Primary Replacement Manifold Pressure
- Primary Replacement Fuel Level (up to 4)
- Primary Replacement EGT/CHT Bargraph
- Primary Replacement Oil Pressure
- Primary Replacement Oil Temperature
- Primary Replacement Amps
- Primary Replacement OAT

Primary Replacement Fuel Flow
Fuel Remaining and Fuel Used
GPS/Fuel Flow Data
Engine Time and Tach Time
Flight Timer
Local Time and Zulu Time
Pilot Programmable Checklists

OPTIONS: (NO CHARGE)
- Primary Replacement Fuel Pressure*
- Primary Replacement Hydraulic Pressure*
- Primary Replacement TIT*
- Primary Replacement Carb Temp or OAT*
- Second Amps Measurement*
- On Screen Annunciators
- Return Fuel Flow Transducer (Pressure/Carb)*
- G-Meter
- Horsepower

More options may be available
*If applicable for your aircraft

SPECIFICATIONS:
- Fits standard 3 1/8” Holes.
- Dimensions: 3.125” x 3.125” x D: 4.45”
- Accuracy: 1/2%. Viewable in sunlight.
- Backlit for night operation.
- STC’d and TSO’d as Primary Replacements.
- Primary Replacement OAT

CGR-30 COMBO PACKAGE INCLUDES:

PISTON PACKAGES

4-Cylinder: ................................................................. $5,698
6-Cylinder: ............................................................... $6,098
7-Cylinder: ............................................................... $6,298
9-Cylinder: ............................................................... $7,098

For Turboprops and jets, please call (541) 318-6060 for pricing.

UPGRADES

4 or 6-Cyl. Upgrade Package with Trade-In Engine Analyzer .............................................. $5,398*
4 or 6-Cyl. Upgrade Package with Trade-In Engine Analyzer + Fuel Flow ....................... $5,298*

*Each Upgrade package requires a $300 engine analyzer core deposit, or $400 engine analyzer + fuel flow core deposit.

OPTIONS

CO Detector (CO Guardian): .................................................. $695
Primary Float Type Replacement Fuel Probes: ......................................................... $496/ea
Each TR-1 displays a single function. Available: EGT, Fuel Flow, Fuel Level, TAT, OAT, Hydraulic Pressure, Oil Pressure, Oil Temp, Fuel Temp, Volts, Amps, AOA, Vibration, Strain or almost anything that has a signal.

SPECIFICATIONS:
• Fits 2” standard round (MS28042-1A mount), 4.23” Long
• Weight: 0.3 lbs.
• Power: 6 to 55 Volts, 0.075 Amps @ 28V
• Dimming: Auto (electric eye) and Manual.
• Environmental: DO-160G
• TSO: -C43c, -C44c, -C45b, -C47a, -C49b, -C55a
• Display: 210° Analog and 4-Digits, all backlit
• Memory: 1,000 hours, RS232 port (Premium only)

FEATURES:
• Custom marked faceplate
• Built-in warning light (Optional)
• RS-232 input and output port to interface with EECs, FADECs and other devices
• Mapping for Accuracy
• Two Open-Collector (pull-down) Pins for controlling external warning lights or props, 0.1 Ams max, Optional
• ARINC 429 compatible via the BC-5, Optional

PRICING:

STANDARD

Includes
• One-year warranty
• Three-month money-back guarantee
• 8130-3 Airworthiness Approval Tag

For non-agricultural planes, jets, and helicopters, please call (541) 318-6060 for pricing.

PREMIUM

Includes
• Three-year warranty
• Three-month money-back guarantee
• 1,000+ hours of recording at 1/3 second per record
• Priority service on warranties and orders
• 8130-3 Airworthiness Approval Tag
• Get full credit on your TR-1s when you purchase MVP-50T within one year.

For non-agricultural planes, jets, and helicopters, please call (541) 318-6060 for pricing.

TR-1 ACCESSORIES

P-908: EGT 8 Probe Harness for a Garrett TPE-331-1 and -2 Turbine Engine. No STCs. $995

FCD-TR-1: Bluetooth Field Calibration Device for all TR-1 instruments. $595
FP-5L FUEL FLOW / HORSEPOWER
(STC’d and PMA’d)

The FP-5L is a versatile fuel computer. Displays Gallons per Hour, Gallons Used, Gallons Remaining, Time to Empty, Gallons Needed to Destination, % Horsepower and Two Programmable Low-Fuel Alarms. The standard FP-5L also has one auxiliary channel that can be used to monitor Oil Pressure, Oil Temperature, Fuel Pressure, etc.

SPECIFICATIONS: 2 1/4" Mount. 3.65" Depth. 28 Oz. Kit. Backlit for night operation. Viewable in direct sunlight. Operates from 7.5 to 30 volts at .3 amps.

STANDARD FP-5L PACKAGES

FP-5L-Inst Only: Fuel Flow w/HP & GPS input/output. Instrument Only (no transducers) ................................................... $496
FP-5L-60: Fuel Flow w/HP & GPS input/output. Includes FT-60 Flow transducer (for aircraft with up to 350 HP and an engine-driven fuel pump). ................................................... $649
FP-5L-180: Fuel Flow w/HP & GPS input/output. Includes HIGH FLOW FT-180 Flow Transducer (for aircraft with more than 550 HP). ................................................... $996

STANDARD FP-5L AUXILIARY CHANNEL OPTIONS

Any one of the following choices can be added to the FP-5L Aux Channel at any time.

FM-OP-100 Secondary Oil Pressure. Includes PT-100GA Pressure Transducer ................................................................. $296 ea.
FM-MP Secondary Manifold Pressure. Includes Pressure Transducer ................................................................. $296 ea.
FM-Gyro FM-Gyro Gyro Vacuum. Includes Pressure Transducer ................................................................. $296 ea.
FM-RPM-4 / FM-RPM-6 Secondary RPM. Connects directly to the Mag Switch ................................................................. $296 ea.
FM-VA-50 Secondary Volts OR Amps (one or the other) w/S-50 Shunt ................................................................. $296 ea.

PRIMARY FP-5L PACKAGES - MUST specify High/Low Pressure Limits when ordering

FP-5L Instrument Only: Instrument Only (no transducers) ............................................................................................... $788
FP-5L w/FT-60 & Pressure: Includes FT-60 Flow Transducer (for engines up to 350 HP) & PSI Transducer ......................... $1,073
FP-5L w/FT-60 NO Pressure: Includes FT-60 Flow Transducer (for engines up to 350 HP) ................................................ $878
FP-5L w/FT-90 & Pressure: Includes FT-90 Flow Transducer (for engines with 350 to 550 HP) & PSI Transducer ................ $1,073
FP-5L w/FT-90 NO Pressure: Includes FT-90 Flow Transducer (for engines with 350 to 550 HP) ................................. $878

STANDARD FP-5L ACCESSORIES - May be required for your aircraft

FFDM-1 Fuel Flow Differential Module (for aircraft with a pressure carburetor). Includes FT-60 or FT-90 Flow transducer to measure the returned fuel. Please specify FT-60 or FT-90. ................................................................. $456
DPIM-1-30 Fuel Pressure Differential Module (for aircraft that measure fuel pressure in reference to the upper deck). Includes 1 PT-30GA pressure transducer to measure the upper deck. ................................................................. $456
FL-1 AND FL-2 FUEL LEVEL INSTRUMENTS
(Not STC’d. For TC and STC Holders or Experimental Aircraft)

The FL-1 and FL-2 are fuel level instruments featuring an LED analog display and a digital display. The FL-1 is for single fuel level while the FL-2 is for dual fuel level. They can display in gallons (one or one-half gallon increments), pounds or liters. Since the FL-1 and FL-2 do not incorporate any moving parts (needles, bearings, springs, etc.), there is little to go wrong or wear out. Instrument improvements allow for a new, easier and quicker fuel calibration procedure. The procedure also removes any non-linearity in the tanks and sensors. You may use as few as two calibration points or as many as nine. A New Programmable Fuel Slosh Stabilization feature has been added to increase user customization.

SPECIFICATIONS: 2 1/4" Mount, 3.65" Depth, 10 Oz. Unit, Viewable in direct sunlight, Backlit, Operates from 7.5 to 35 volts at .3 amps.

ALL PACKAGES (WITHOUT PROBES) - $568

FL-1CA or FL-2CA: This model was designed to be used with EI’s Capacitive Fuel Level Probe (P-300C) from 6” to 20’ long. A P-300C/4 Module must be used for probes 6” to 4’ long.

FL-1RA-12 or FL-2RA-12: This model was designed to be used on a 12-volt system with a resistive fuel level sensor. The fuel level sensor’s resistance may increase or decrease as fuel is added to the tank and the maximum resistance must be between 90 and 270 ohms.

FL-1RA-24 or FL-2RA-24: This model was designed to be used on a 24-volt system with a resistive fuel level sensor. The fuel level sensor’s resistance may increase or decrease as fuel is added to the tank and the maximum resistance must be between 90 and 270 ohms.

FL-2M: This model was designed to be used with EI’s Magnetic Float Sensor (P-300M). The P-300M is an accurate replacement for a resistive fuel level sensor.

Replace your unreliable fuel probes with our P-300M Magnetic Probe or P-300C Capacitive Probe. (See our ACCESSORIES section on page 28 for more details.)
R-1 RPM TACHOMETER
(TSO’d and STC’d as Primary Replacement)

Displays an accurate RPM measurement in digital and analog format. Proprietary algorithms ensure stable yet lightning-quick responses.

INCLUDES: Instrument, wire harness, RC-1 Cap, and an A-102 Adapter plate.
SPECIFICATIONS: 2 1/4” Mount. 3.65” Depth. Viewable in direct and indirect sunlight. Backlit for night operation. Operates from 7.5 to 30 volts at .3 amps. Instruments may come with labels on the faceplate rather than silkscreened to signify limit markings for your aircraft.

PRICE: $648 Order MUST specify range markings.

M-1 MANIFOLD PRESSURE
(TSO’d and STC’d as Primary Replacement)

Displays precise Manifold Pressure in both Digital and Analog format. The LED Arc provides a quick reference of the Manifold Pressure operation.

INCLUDES: Instrument and Wire Harness.
SPECIFICATIONS: 2 1/4” Mount. 3.65” Depth. Viewable in direct and indirect sunlight. Backlit for night operation. Operates from 7.5 to 30 volts at .3 amps. Instruments may come with labels on the faceplate rather than silkscreened to signify limit markings for your aircraft. An A-102 Adapter is available to fill a 3 1/8” hole for $24

PRICE: $628 Order MUST specify range markings.

OPT-1 OIL PRESSURE AND TEMPERATURE
(TSO’d and STC’d as Primary Replacement)

Displays accurate Oil Pressure and Temperature readings. Easily see readings on a large LCD display along with an LED arc for quick-glance analysis.

INCLUDES: Instrument Temp Probe, Pressure Transducer and Wire Harness.
SPECIFICATIONS: 2 1/4” Mount. 3.65” Depth. Viewable in direct and indirect sunlight. Backlit for night operation. Operates from 7.5 to 30 volts at .3 amps. Instruments may come with labels on the faceplate rather than silkscreened to signify limit markings for your aircraft. An A-102 Adapter is available to fill a 3 1/8” hole for $24

PRICE: $688 Order MUST specify range markings.
VA-1A VOLTS AND AMPS
(STC’d, and PMA’d)
Provides precision Volts and Amps readings. Offers both a "High Volts" and a "Discharge" warning light. Runs on 12 or 24-volt systems. This model comes with an internal S-50 shunt.

PRICE: ................ $456

VA-1A-XX The VA-1A-xx can be calibrated to match any aircraft external shunt (i.e. 50 amp, 50mV external shunt must use a VA-1A-50).

PRICE: ................ $456 Order must specify shunt value. (shunt sold separately)

SPECIFICATIONS: Accuracy: 1%. 2 1/4" Mount. 2.5" Depth. 9 Oz. Unit. Viewable in direct and indirect sunlight. Backlit for night operation. Operates from 7.0 to 40 volts at .1 amp.

RSVA-3 Remote Switch used to monitor the Left and Right Alternator and Battery Current for Twins. To be used with any external shunt unit. Body 1” x 1” x 1.5” depth. Front Panel 2” x 1.15.” 3 Oz. Unit. STC’d, PMA’d.

PRICE: ................ $98

S-50 50 amp, 50mV (100 amp short burst capability) External Shunt. To be used with a VA-1A-50. Size 2” x 1.2” x 1.7” height. 3.5 Oz. Unit.

PRICE: ................ $44

S-300 300 amp External Shunt, to be used with a VA-1A-300. Size 3.25” x 1.75” x 1.75” height. 11.5 Oz. Unit.

PRICE: ................ $56
**SC-5 SUPER CLOCK**
*(No STC required.)*

The SC-5 is a fully functional, panel-mounted aircraft clock. Displays Local Time, Zulu Time, 12 & 24-hour formats and an engine timer. Has Up timers and Down timers with programmable alarms. The instrument runs off a 10-year lithium battery that keeps the clock running even if the aircraft battery is removed.

**INCLUDES:** SC-5 and wire harness.

**SPECIFICATIONS:** 2 1/4” Mount. 3.65” Depth. 10 Oz. Unit. Viewable in direct and indirect sunlight. Backlit for night operation. Operates from 7.5 to 35 volts at .3 amps.

**PRICE:** ............... $396

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**USB-6A - SMART CHARGER**

**PRICE:** ............... $195

**SPECIFICATIONS:** Mounts in a 2 1/4” hole. Operates from 7.5 to 35 volts, .1 amp idle, 3 amps max.

Our USB-6A Smart Charger has two smart device charging ports and three data passthrough ports. Compatible with our CGR-30 instrument, the three data passthrough ports allow you to upload and download data from our CGR-30 instruments.

It also comes with a USB charging analyzer which displays the charging voltage and current.
**E-1 OR C-1 SINGLE-CHANNEL EGT OR CHT**  
(STC’d, TSO’d and PMA’d)

The E-1 is a single-channel EGT and the C-1 is a single-channel CHT gauge. Both instruments are 2 1/4” Mount, 2.5” Depth and 12 Ounces. Sunlight viewable and backlit for night operation.

**INCLUDES:** Unit, 1 ea 8’ Cable, 1 Probe, All Wires and Connectors.

**PRICE:** $396

**E-1P, T-1P OR C-1P PRIMARY REPLACEMENT SINGLE CHANNEL**  
(STC’d, TSO’d and PMA’d)

Primary replacement single-channel EGT, TIT or CHT instruments with an Over-Temp Light. All are 2 1/4” Mount, 2.5” Depth and 12 Ounces. Sunlight viewable and backlit for night operation.

**INCLUDES:** Unit, 1 ea 8’ Cable, 1 Probe, All Wires and Connectors.

**PRICE:** $448 (Order MUST specify Over-Temp Limit and TIT Probe Type, if applicable)

**EC-1 SINGLE-CHANNEL EGT/CHT**  
(STC’d, TSO’d and PMA’d)

Can monitor 1 EGT and 1 CHT. Easily switch between your readings with a front-mounted switch. 2 1/4” Mount, 2.5” Depth and 16 Ounces. Sunlight viewable and backlit for night operation.

**INCLUDES:** Unit, 2 ea 8’ Cables, 1 ea EGT Probe and 1 CHT Probe

**PRICE:** $528

**E-6 OR C-6 SIX-CHANNEL EGT OR CHT**  
(STC’d, TSO’d and PMA’d)

This unit allows you to monitor 6 channels of EGT or CHT with a six position switch.

**INCLUDES:** Unit, 6 ea 8’ Cables, 6 Probes and All Wires and Connectors.

**PRICE:** $916

**E-4 OR C-4 FOUR-CHANNEL EGT OR CHT**  
(STC’d, TSO’d and PMA’d)

This unit allows you to monitor 4 channels of EGT or CHT with a four position switch.

**INCLUDES:** Unit, 4 ea 8’ Cables, 4 Probes and All Wires and Connectors.

**PRICE:** $796

**EC-1P OR TC-1P DUAL-SCREEN PRIMARY REPLACEMENT**  
(STC’d, TSO’d and PMA’d)

Primary Replacement CHT and EGT (or Primary TIT) with Over-Temp Lights. 3 1/8” Mount, 2.5” Depth and 20 Ounces.

**INCLUDES:** Unit, 2 ea 8’ Cables, 1 EGT or TIT Probe and 1 CHT Probe

**PRICE:** $744 (Order MUST specify Over-Temp Limits)
**MODEL A-1**
**OAT or CARB. TEMP**
(STC’d, TSO’d and PMA’d)

OAT instrument with Ice Zone Warning Light. Or order the instrument to display Carb. Temp. 2 1/4” Mount.

**INCLUDES:** Unit, 1 ea 8’ Cable and 1 OAT Probe.

**PRICE:** $388

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**MODEL CA-1**
**CARB. TEMP & OAT**
(STC’d, TSO’d and PMA’d)

Carb. Temp and OAT Instrument with Ice Zone Warning Light. 2 1/4” Mount.

**INCLUDES:** Unit, 2 ea 8’ Cables, 1 Carb. Temp Probe and 1 OAT Probe.

**PRICE:** $488

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**MODEL EAC-1**
**EGT, CHT & OAT**
(STC’d, TSO’d and PMA’d)

EGT/OAT/CHT Instrument with Ice Zone Warning Light. 2 1/4” Mount.

**INCLUDES:** Unit, 3 ea 8’ Cables, 1 EGT Probe, 1 OAT Probe and 1 CHT Probe.

**PRICE:** $584

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**Remote Switches**

**RS-4-1S** (STC’d and PMA’d)

Upgrades our single temperature instrument to read four channels of EGT or CHT.

**PRICE:** $448 (Specify probe type with order.)

**RS-4-2S** (STC’d and PMA’d)

Upgrades our dual temperature instrument to read four channels of EGT and CHT.

**PRICE:** $628

**RS-6-1S** (STC’d and PMA’d)

Upgrades our single temperature instrument to read six channels of EGT or CHT.

**PRICE:** $596

**RS-6-2S** (STC’d and PMA’d)

Upgrades our single temperature instrument to read six channels of EGT and CHT.

**PRICE:** $896
Remote Switches

RS-8-1S (STC’d and PMA’d)
Upgrades our single temperature instrument to read eight channels of EGT or CHT.

SPECIFICATIONS: Body 1” x 1” x 1.5” depth, Front Panel 2” x 1.15”
INCLUDES: Unit, 7 ea 8’ Cables, 4 Probes.

PRICE: $744

RS-12-1S (STC’d and PMA’d)
Upgrades our single temperature instrument to read twelve channels of EGT or CHT.

SPECIFICATIONS: Body 1” x 1” x 1.5” depth, Front Panel 2” x 1.15”
INCLUDES: Unit, 11 ea 8’ Cables, 11 Probes.

PRICE: $996

RS-7-2PS (STC’d and PMA’d)
Upgrades any primary TIT/CHT unit to read six channels of EGT or CHT.

SPECIFICATIONS: Body 1” x 1” x 1.5” depth, Front Panel 2” x 1.15”
INCLUDES: Unit, 12 8’ Cables, 6 Probes.

PRICE: $168 (No Dealer Discounts)
OPTION: Add $60 for 6 P-110F FAST Response EGT Probes.

RS-5-2PS (STC’d and PMA’d)
Upgrades any primary TIT/CHT unit to read four channels of EGT and CHT.

SPECIFICATIONS: Body 1” x 1” x 1.5” depth, Front Panel 2” x 1.15”
INCLUDES: Unit, 8 8’ Cables, 4 EGT Probes and 4 CHT Probes.

PRICE: $996
OPTION: Add $40 for 4 P-110F FAST Response EGT Probes.

RS-7-1PS (STC’d and PMA’d)
Upgrades any primary TIT/CHT unit to read six channels of EGT or CHT.

SPECIFICATIONS: Body 1” x 1” x 1.5” depth, Front Panel 2” x 1.15”
INCLUDES: Unit, 6 ea 8’ Cables, 6 Probes.

PRICE: $744
OPTION: Add $60 for 6 P-110F FAST Response EGT Probes.

RS-7-2PS (STC’d and PMA’d)
Upgrades any primary TIT/CHT unit to read six channels of EGT and CHT.

SPECIFICATIONS: Body 1” x 1” x 1.5” depth, Front Panel 2” x 1.15”
INCLUDES: Unit, 12 8’ Cables, 6 EGT Probes and 6 CHT Probes.

PRICE: $996
OPTION: Add $60 for 6 P-110F FAST Response EGT Probes.

Remote Switches without Probes or Cables:
RS-4-1, RS-6-1: $148 (No Dealer Discounts)
RS-4-2, RS-6-2, RS-7-1, RS-7-2, RS-8-1, RS-12-1: $168 (No Dealer Discounts)
E-2 OR C-2 DUAL-CHANNEL EGT OR CHT
(STC’d, TSO’d, PMA’d)

SPECIFICATIONS: 2 1/4” Mount, 2.5” Depth and 24 Oz. Kit. Accurate to 1/2% with 1 degree resolution.
INCLUDES: Unit, 2 ea 20’ Cables, 2 EGT or 2 CHT Probes and All Wires and Connectors.

PRICE: $744

EE-1P OR TT-1P OR CC-1P DUAL CHANNEL EGT OR CHT OR TIT
(STC’d, TSO’d, PMA’d)

SPECIFICATIONS: 3 1/8” Mount, 2.5” Depth and 28 Oz. Kit. Accurate to 1/2% with a 1 degree resolution. Operates from 7.5 to 35 volts at .1 amp.
INCLUDES: Unit, 2 ea 20’ Cables, 2 Probes and All Wires and Connectors.

PRICE: $868 (Order MUST specify Over-Temp Limits.)

EC-2 EGT AND CHT FOR LEFT AND RIGHT ENGINE
(STC’d, TSO’d, PMA’d)

SPECIFICATIONS: 2 1/4” Mount, 2.5” Depth and 2.5 lb kit. Accurate to 1/2% with a 1 degree resolution. Operates from 7.5 to 35 volts at .1 amp.
INCLUDES: Unit, 4 20’ Cables, 2 EGT Probes and 2 CHT Probes.

PRICE: $916

EC-1PT PRIMARY REPLACEMENT EGT AND CHT FOR LEFT OR RIGHT ENGINES
(STC’d, TSO’d, PMA’d)

SPECIFICATIONS: Overtemp lights. 3 1/8” Mount, 2.5” Depth and 28 Oz. Kit. Accurate to 1/2% with a 1 degree resolution. Operates from 7.5 to 35 volts at .1 amp.
INCLUDES: Unit, 2 ea 20’ Cables, 1 EGT Probe and 1 CHT Probe.

PRICE: $896 (Order MUST specify Over-Temp Limits.)

TC-1PT PRIMARY REPLACEMENT TIT AND CHT
(STC’d, TSO’d, PMA’d)

SPECIFICATIONS: 3 1/8” Mount, 2.5” Depth and 2.2lb Kit. Accurate to 1/2% with a 1 degree resolution. Operates from 7.5 to 35 volts at .1 amp.
INCLUDES: Unit, 2 ea 20’ Cables, 1 TIT Probe and 1 CHT Probe.

PRICE: $896 (Order MUST specify Over-Temp Limits and TIT Probe Type (Hose Clamp, 1/8” NPT, 1/4” NPT or 7/16 x 20).
P-100 - CHT PROBE
Screw-in Type, Standard with most kits. Can be used in a pressure environment. 700°F Max.
PRICE: $116

P-101 - CHT PROBE
Military Bayonet Type, 1/4 turn locking for quick removal. To be used with the A-101 Adapter, 700°F Max.
PRICE: $116

A-101 - CHT ADAPTER
3/8" - 24, To be used with the P-101 CHT Probe.
PRICE: $16

P-110-R - ROBUST EGT/TIT PROBE
Hose Clamp Type, Used with 13/64" Hole. Optional with most kits. Weight: 1.6 oz.
PRICE: $116

P-110-F - FAST RESPONSE EGT/TIT PROBE
Hose Clamp Type, used with 5/32" hole. Standard with most kits. Weight: 1.3 oz.
PRICE: $116

P-111: TIT PROBE, 1/8" NPT, with Adjustable Depth.
P-112: TIT PROBE, 7/16" - 20, with Adjustable Depth.
P-114: TIT PROBE, 1/4" NPT, with Adjustable Depth.
PRICE: $128

P-120-PA1 TEMP PROBE
Monitors oil temperature on PT-6 and other engine types. Can be used in pressure environment with correct seal. Designed to be used with an o-ring.
PRICE: $195

P-120 - OIL TEMP PROBE
Can be used in a pressure environment, 700°F Max. Weight: 2.5 oz.
PRICE: $116

P-128 - OAT/CARB TEMP PROBE
FAST Response Exposed Tip, uses a precision connector, 700°F Max.
P-128-S - SEALED TIP TEMP PROBE
For use in pressure environments, uses a precision connector, 700°F Max.
PRICE: $116

P-104 - UNIVERSAL PROBE
Used to measure surface temperatures, 700°F Max.
PRICE: $116
Accessories

**AL-1(X) - CHROME ANNUNCIATOR LIGHT**
Not STC’d (Normally installed as a minor alteration.)

(X) = “R” (Red), “Y” (Yellow), “B” (Blue), “G” (Green) or “O” (Orange).
The AL-1 makes an excellent indicator light for displaying boost pump on, gear status, power on, flags, etc. Also, it can be used as a remote warning light for any EI instrument featuring an external warning line. The AL-1 is more attractive, operates on less power and is smaller than the old-fashioned indicator lights. The AL-1 has a service life of over 1000 times that of incandescent bulbs.

**SPECIFICATIONS:**
Mounts in a 5/16” hole.

**Size:** 0.4” diameter x 1” depth. Operates on a 12 or 24-volt system. Comes with 32” leads.

**PRICE:** $28

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**ATG-1 - ANNUNCIATOR TONE GENERATOR**
Not STC’d (Normally installed as a minor alteration.)

This unit generates a 4.7 KHz tone when an out-of-limit condition occurs. The Annunciator Tone Generator may be connected to one or more EI Instruments featuring a warning light (C-1P, T-1P, EC-1P, R-1, M-1, OPT-1, FP-5L, etc.). The ATG-1 comes with an on-off toggle switch. It mounts under the instrument panel using wire ties.

**SIZE:** 1.3” diameter x 1” depth. Operates on a 12 or 24-volt system.

**PRICE:** $36

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**FFDM-1 - FUEL FLOW DIFFERENTIAL MODULE**

PRICE: $456

Used with our FP-5 or FP-5L to accommodate a pressure carburetor with a fuel return line back to the fuel tank. Please specify FT-60, FT-90 or FT-180 Flow Transducer. This should be the same type of transducer that was installed with the FP-5 or FP-5L.

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**USB-6A - SMART CHARGER**

PRICE: $195

**SPECIFICATIONS:**
Mounts in a 2 1/4” hole. Operates from 7.5 to 35 volts, .1 amp idle, 3 amps max.

Our USB-6A Smart Charger has two smart device charging ports and three data passthrough ports. Compatible with our CGR-30 instrument, the three data passthrough ports allow you to upload and download data from our CGR-30 instruments.

It also comes with a USB charging analyzer which displays the charging voltage and current.
FT-60 - FUEL FLOW TRANSDUCER (RED CUBE)
PRICE: $296
To be used with engine-driven fuel pumps only. Up to 350 HP engines. Red anodized aluminum body, 1/4” female NPT, .6 to 70+ GPH, .6 PSI drop at 30 GPH, 2.3 PSI drop at 60 GPH, K-Factor approximately 68,000, 5.3 Oz.

FT-90 - FUEL FLOW TRANSDUCER (GOLD CUBE)
PRICE: $296
For 350 to 550 HP engines, or gravity-feed engines. Gold anodized aluminum, 1/4” female NPT, 3 to 125+ GPH, .05 PSI drop at 20 GPH, .2 PSI drop at 40 GPH, K-Factor approximately 33,800, 5.3 Oz.

FT-180 - FUEL FLOW TRANSDUCER (BLACK CUBE)
PRICE: $496
Black anodized aluminum body, 1/4” female NPT, supplied with additional #8 male flare fittings, 5 to 250+ GPH, .23 PSI drop at 60 GPH, .92 PSI drop at 120 GPH, K-Factor approximately 22,400, 5.3 Oz. The EI FT-180 (Black Cube) Flow Transducer does not require the IU-1 Foxboro Interface Unit.

PT-30GA - PRESSURE TRANSDUCER
PRICE: $228
1/8” NPT Male, 0 to 40 PSI, Max. Over Pressure 90 PSI, Burst Pressure 120 PSI, Shock 100g, Material 316L SS, 8 Oz.

PT-100GA - PRESSURE TRANSDUCER
PRICE: $228
1/8” NPT Male, 0 to 120 PSI, Max. Over Pressure 300 PSI, Burst Pressure 400 PSI, Shock 100g, Material 316L SS, 8 Oz.

PT-100GA-T - TORQUE PRESSURE TRANSDUCER
PRICE: $348
1/8” NPT Male, 0 to 120 PSI, Max. Over Pressure 300 PSI, Burst Pressure 400 PSI, Shock 100g, Material 316L SS, 8 Oz.

PT-300GA - PRESSURE TRANSDUCER
PRICE: $228
1/8” NPT Male, 0 to 300 PSI, Max. Over Pressure 900 PSI, Burst Pressure 1200 PSI, Shock 100g, Material 316L SS, 8 Oz.

PT-3000S - PRESSURE TRANSDUCER
PRICE: $348
1/8” NPT Male, 0 to 3000 PSI, Max. Over Pressure 9,000 PSI, Burst Pressure 10,000 PSI, Shock 100g, Material 316L SS, 8 Oz.

IU-1- FOXBORO INTERFACE UNIT
PRICE: $228
Electronics in a lumpy cable used to interface a Foxboro or Flow Technologies Transducer to the FP-5(L). K-Factor for a Foxboro Transducer is approx. 33,800. The IU-1 is not needed for EI’s FT-180 (Black Cube) Flow Transducer.
A-102 - ADAPTER PLATE - PRICE: $24
Makes a 2 1/4” EI Instrument look excellent in a 3 1/8” mount, Black Powder Coated Aluminum (matches our instruments).

TYPE K EXTENSION CABLES
Type K Extension Cables are used to connect a temperature probe to an instrument (see connector options below).

Available Lengths

<table>
<thead>
<tr>
<th>Length</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>8’ Extension Cable</td>
<td>$48</td>
</tr>
<tr>
<td>12’ Extension Cable</td>
<td>$64</td>
</tr>
<tr>
<td>20’ Extension Cable</td>
<td>$88</td>
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</tbody>
</table>

CONNECTOR OPTIONS:

**XO EXTENSION CABLE (PART NUMBERS: XO-8’, XO-12’, XO-20’)**
Extension Cable with Overlap (OLC-2) connectors.

**XCO EXTENSION CABLE (PART NUMBERS: XCO-8’, XCO-12’, XCO-20’)**
Extension Cable with Overlap (OLC-2) connectors for the probe side, cannon plug pins on the instrument side. Commonly used on EI Instruments: UBG-16.

**XDO EXTENSION CABLE (PART NUMBERS: XDO-8’, XDO-12’, XDO-20’)**
Extension Cable with Overlap (OLC-2) connectors for the probe side, D-sub pins on the instrument side. Commonly used on EI Instruments: EDC-33x, MVP-50, and CGR-30.

CP-1 - LED Intensity Control Pot and Electronics
PRICE: $56
Controls the intensity of the UBG-16 (Plasma Display), green LEDs on R-1, M-1, OPT-1, Fl-2, FP-5(L) and other EI instruments. This unit can be connected to any one or all of these instruments at the same time. It provides linear control of the intensity of the green LEDs for low ambient light or night operation. Mounts in a 1/4” hole. Operates on a 12 or 24-volt system.

Note: The CP-1 is a low current, high impedance control pot with offsets and gains designed to control the intensity of EI’s LEDs & Plasma displays ONLY. Not appropriate for other applications.

S-50 SHUNT
PRICE: $44
50 amp, 50mV (100 amp capability) External Shunt. To be used with a VA-1A-50. Size 2” x 1.2” x 1.7” height. 3.5 Oz. Unit.

S-300 SHUNT
PRICE: $56
300 amp External Shunt. To be used with a VA-1A-300, Size 3.25” x 1.75” x 1.75” height. 11.5 Oz. Unit.
### FIELD TEST DEVICES

**Price:** $120

Field test devices provide an excellent way of verifying and troubleshooting system wiring and instrument operation for various E.I. Instruments.

- **FCD-FF: FUEL FLOW SIGNAL**
  - Outputs a variable fuel flow signal (50Hz to 350 Hz, 9V Sq Wave).

- **FCD-FP: FUEL/OIL PRESSURE SIGNAL**
  - Outputs a variable pressure signal (0 to 100+ PSI, 0-50 mV).

- **FCD-RPM: RPM FIELD SIGNAL**
  - Outputs a variable RPM signal (800 to 2800 RPM, 40 to 140Hz, 18V pulse).

- **FCD-CFL: CAPACITIVE FUEL LEVEL SIGNAL**
  - Outputs a variable capacitive fuel level signal (300 to 5 KHz, 9V Sq Wave).

- **FCD-RFL: RESISTIVE FUEL LEVEL SIGNAL**
  - Outputs a variable resistive (0-250 ohms) fuel level signal.

### NIST TRACEABLE FIELD CALIBRATION DEVICES FOR E.I. TURBOPROP INSTRUMENTS

**Price:** $340

The following Field Calibration Devices (FCDs) provide a calibrated signal that may be used to verify the calibration of a given E.I. instrument. This can be useful when performing FAA flight tests or engine performance verification runs. The FCDs are traceable to NIST and come with calibration paperwork.

- **FCD-T-NIST: TEMPERATURE SIGNAL**
  - Outputs a NIST calibrated temperature signal around 778°C (1400°F). May be used to verify calibration of any Electronics International ITT, TOT, TIT, CHT, Oil Temp or other temperature instrument.

- **FCD-N1/N2-NIST: TACH GENERATOR SIGNAL**
  - Outputs a NIST calibrated Tach Generator signal at 4200 RPM (70Hz). May be used to verify calibration of any Electronics International N1 or N2 instrument.

- **FCD-PRESS-NIST: PRESSURE SIGNAL**
  - Outputs a NIST calibrated pressure signal that simulates a PT-30GA, PT-100GA, PT-300GA and PT-3000S pressure transducer. May be used to verify calibration of any Electronics International Torque, Oil Press, Fuel Press, Hyd Press or other pressure instrument that use the above listed transducers. This unit tests the instruments pressure channel, not the pressure transducer.

### BLUETOOTH FIELD CALIBRATION DEVICE FOR E.I. TR-1 INSTRUMENTS [FCD-TR-1]

**Price:** $595

Save time and money with E.I.’s Bluetooth field calibration device designed to allow wireless calibration of our TR-1 instruments as well as wireless data retrieval. Calibrate your instrument or fleet of instruments with one FCD-TR-1 device.
P-300C: CAPACITIVE FUEL LEVEL PROBE WITH ACCESSORIES

The P-300C is assembled from a 3/4” aluminum pipe with an aluminum center electrode and a 3/4” NPT boss attached to one end. The electronics (P-300C Interface Module) are located externally from the probe, the probe was designed to fit in a 3/4” NPT. Coupler and Guides (included with the probe), are intended to be molded into a fiberglass fuel tank. You may wish to use other mounting methods appropriate for your fuel tanks. The probes may be ordered from 4” to 20’ in length. A P-300C/4 Divide by 4 Interface module will be included at no charge for probe lengths that require one. Ordering the correct length is recommended, however you may cut the probes to a shorter length than ordered. Call EI for cutting instructions. Probes over 8’ may incur additional shipping expenses.

PRICE: $456, + additional packaging and shipping charges due to length.

(Specify Length 6” to 20’) Please allow a minimum of 3 weeks for your order to be shipped.

P-300C-MINI-1/8:
1/8” NPT CAPACITIVE FUEL LEVEL PROBE

P-300C-MINI-1/4:
1/4” NPT CAPACITIVE FUEL LEVEL PROBE

The P-300C-Mini is assembled from a 3/16” stainless steel tube with an insulated wire as the center electrode and a 1/8” NPT or 1/4” NPT boss attached to one end. The electronics (P-300C-Mini Interface Module) are located externally from the probe. The probe may be bent or cut to length in the field. The probe can be ordered from 2” to 72” in length. A P-300C/4 Divide by 4 Interface module will be included at no charge for probe lengths that require one. Ordering the correct length is recommended.

PRICE: $344, + additional packaging and shipping charges due to length.

(Specify Length 2” to 72”) Please allow a minimum of 3 weeks for your order to be shipped.

P-300M MAGNETIC FLOAT SENSOR

The P-300M is a TSO’d fuel level sensor designed by EI to replace a resistive sensor. The P-300M works off magnetics and is an accurate and reliable sensor. It is not affected by vibration, corrosion, wear, varnish build up, poor wiper tension or any of the many other problems affecting resistive sensors. The P-300M will only work with EI instruments. The float travel must be specified. If an existing sensor is to be replaced, ship your old sensor to EI to allow for proper configuration.

PRICE: $496

Add $375 if custom plate is needed (one-time charge).
Providing Superior Products
and Unparalleled Customer Service Since 1979

Electronics International Inc.

Learn more about Electronics International and its products at iFlyEi.com