



Electronics International Inc.

Price List

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PRICES SUBJECT TO CHANGE WITHOUT NOTICE

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MVP-50P Piston Engine Aircraft

FOR SINGLE & TWIN PISTON ENGINE AIRCRAFT

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 1.8" 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:



LEFT

RIGHT

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.



OVER 14 DIFFERENT SCREENS

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

PRICING:

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.

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-04H2O, measures pressure from 0 to 5" of water. Measure cowls, 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	Contact EI
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

MVP-50T ENGINE MONITOR FOR TURBOPROP AND JET ENGINE AIRCRAFT

(STC'd and TSO'd as Primary Replacement)

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 experimentals 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.

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).



Main Screen



System Screen



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 1.8" depth. Accuracy: 1/2%. Viewable in direct and indirect sunlight. Backlit for night operation.

MVP-50T for Turboprop Aircraft

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
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

PRICING:

MVP-50T FOR AG AIRCRAFT

Certified: MVP-50T Aircraft Package (TSO'd, STC'd, Ag Aircraft.) Starting at \$10,400
Certified: MVP-50T L-39 Package (TSO'd Only) \$24,995
Certified: MVP-50T Twin Package (TSO'd Only) Contact EI

For Non-Ag Aircraft Turboprop and Jets, Please contact EI 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, 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.)

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 resolution, +/- 8 Gs max, for recording Gs 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
Oil Temp Probe: P-120-PA1 (7/16in - 20)	\$ 195
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 a 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	\$ 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-04H2O, measures pressure from 0 to 5" of water. Measure cowls, 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	\$ 456
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	Contact EI

CGR-30P for Single Engine Piston Aircraft



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.

- | | | |
|-------------------|------------------------|-------------------------|
| RPM | Fuel Pressure | Flight Timer |
| M.P. | Fuel Level | Tach Timer |
| EGT/CHT Bar Graph | Fuel Flow | Local Time |
| Oil Pressure | Fuel Remaining | Zulu Time |
| Oil Temperature | Fuel Used | Annunciators |
| TIT | Fuel -GPS Related Data | Data Recording |
| Hyd Pressure | Low Fuel Alarm | USB Port |
| C.O. | Recurring Fuel Alarm | External Caution Lights |
| OAT | Volts | And More |
| Vac. | Amps | |



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.

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.

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:

CGR-30P BASIC

4-Cylinder:	.....	\$ 3,798
6-Cylinder:	.....	\$ 4,598
7-Cylinder:	.....	\$ 5,448
8-Cylinder:	.....	\$ 5,468
9-Cylinder:	.....	\$ 5,498

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:

Oil P, Oil T, Fuel Flow (requires an FFDM-1 additional \$456), Fuel Pressure, Right Fuel Level, Left Fuel Level, 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, Amps, or Second Amp Measurement.

PRICING:

CGR-30P PREMIUM

4-Cylinder:	.....	\$ 4,598
6-Cylinder:	.....	\$ 4,998
7-Cylinder:	.....	\$ 5,898
8-Cylinder:	.....	\$ 5,948
9-Cylinder:	.....	\$ 5,998

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 for Twin Engine Piston Aircraft

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.

INCLUDED ON BOTH HEADS: RPM (Arc Gauge), EGT/CHT Bar Graph, Fuel Remaining, Fuel Used, GPS/Fuel Flow Data, Eng Time and Tach Time.

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)¹, Aux Fuel Level¹, 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.



Left Engine

Right Engine

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.

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)



LEFT ENGINE



CGR-30C



RIGHT ENGINE

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.



SHOWN WITH ALL STRIP GAUGES

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 SCREEN

PICK UP TO 8 FUNCTIONS:

Fuel Flow (requires an FFDM-1. Additional \$456), RPM (Arc Gauge), Manifold (Arc Gauge), EGT, CHT, TIT, OAT, Oil Pressure, Oil Temperature, Fuel Pressure (requires an upper deck pressure transducer. Additional \$195), Hydraulic Pressure, Vacuum, G-Meter, Fuel Level (Up to 4 tanks & Fuel Level Sensors not included), Carb Temp or IAT.

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).



SHOWN WITH TWIN ARCS

PRICING:

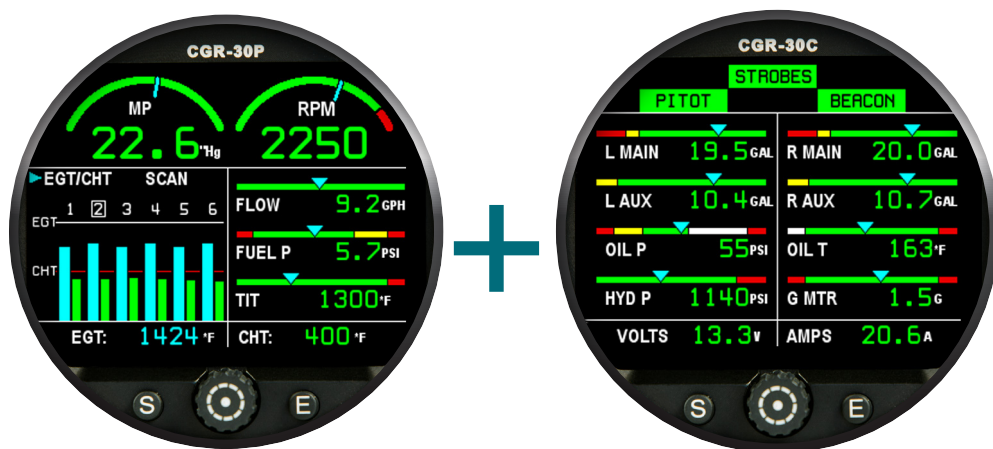
CGR-30C PACKAGE

INCLUDES 6 ANNUNCIATORS TIED TO EXTERNAL SWITCHES

Without EDC:	\$ 2,598
With EDC:	\$ 3,098

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

CGR-30 COMBO Package



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:

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*

PRICING:

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

TR-1 for Turboprop & Jet Engine Aircraft



NG



NP



TQ



ITT

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, -49b, -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 \$ 1,296

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

For non-agricultural planes, jets, and helicopters, please contact EI for pricing.

PREMIUM

Includes \$ 1,596

- 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 contact EI for pricing.

TR-1 ACCESSORIES

P-908: **\$995**

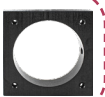
EGT 8 Probe Harness for a Garrett TPE 331-1 & -2 Turbine Engine. No STCs.

FCD-TR-1: **\$595**

Bluetooth Field Calibration Device for all TR-1 instruments.

A-104 Adapter Plate:.....**\$125**

EI's 2" instruments fit perfectly into our 2-1/4" Adapter Plates.



FP-5L FUEL FLOW / HORSEPOWER (STC'd and PMA'd)

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

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.



NON-PRIMARY FP-5L PACKAGES

FP-5L Instrument Only: Instrument Only (no transducers). **\$496**

FP-5L Without Pressure:

FP-5L-60-NP: Includes FT-60 Flow Transducer (for engines up to 350 HP and an engine-driven fuel pump). **\$648**

FP-5L-90-NP: Includes FT-90 Flow Transducer (for engines with 350 to 550 HP OR without an engine-driven fuel pump). **\$648**

FP-5L-180-NP: Fuel Flow w/HP & GPS input/output. Includes High Flow FT-180 Flow Transducer (for aircraft with more than 550 HP). **\$996**

FP-5L With Pressure:

FP-5L-60-PSI: Includes FT-60 Flow Transducer (for engines up to 350 HP and an engine-driven fuel pump) & PSI Transducer. **\$848**

FP-5L-90-PSI: Includes FT-90 Flow Transducer (for engines with 350 to 550 HP OR without an engine-driven fuel pump) & PSI Transducer. **\$848**

FP-5L-180-PSI: Fuel Flow w/HP & GPS input/output. Includes High Flow FT-180 Flow Transducer (for aircraft with more than 550 HP OR without an engine-driven fuel pump). **\$1,196**

PRIMARY FP-5L PACKAGES - FP-5L configuration worksheet is required.

FP-5L-HL Instrument Only: Instrument Only (no transducers). **\$596**

FP-5L-HL Without Pressure:

FP-5L-HL-60-NP: Includes FT-60 Flow Transducer (for engines up to 350 HP and an engine-driven fuel pump). **\$748**

FP-5L-HL-90-NP: Includes FT-90 Flow Transducer (for engines with 350 to 550 HP OR without an engine-driven fuel pump). **\$748**

FP-5L-HL-180-NP: Fuel Flow w/HP & GPS input/output. Includes High Flow FT-180 Flow Transducer (for aircraft with more than 550 HP). **\$1,096**

FP-5L-HL With Pressure:

FP-5L-HL-60-PSI: Includes FT-60 Flow Transducer (for engines up to 350 HP and an engine-driven fuel pump) & PSI Transducer. **\$948**

FP-5L-HL-90-PSI: Includes FT-90 Flow Transducer (for engines with 350 to 550 HP OR without an engine-driven fuel pump) & PSI Transducer. **\$948**

FP-5L-HL-180-PSI: Fuel Flow w/HP & GPS input/output. Includes High Flow FT-180 Flow Transducer (for aircraft with more than 550 HP OR without an engine-driven fuel pump). **\$1,296**

OPTIONS: 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.

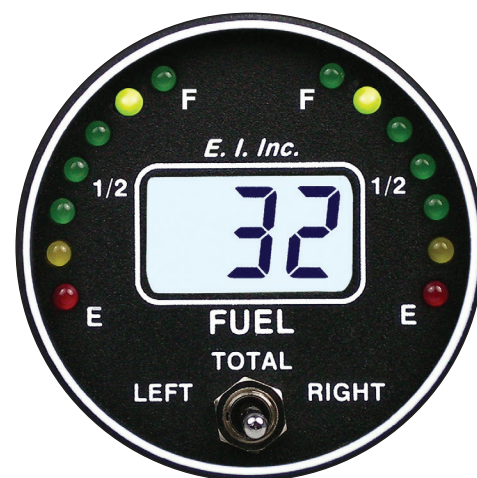
ALL PACKAGES (WITHOUT PROBES) - \$568

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.

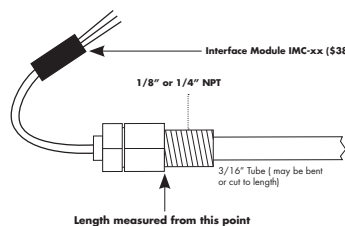
FL-2M: This model was designed to be used with EI's Magnetic Float Sensor (P-300M). The P-300M is an accurate replacement for a resistive fuel level sensor.



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.)



P-300M MAGNETIC PROBE



P-300C CAPACITIVE PROBE

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.



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.



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.

OPTIONS: A-102 Adapter to fill a 3 1/8" hole: \$24 for each instrument





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



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



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



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

Remote Switches

RS-4-1S (STC'd and PMA'd)

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

Lead Time: Usually ships within 3 - 5 days

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.

Lead Time: Usually ships within 3 - 5 days

PRICE: \$628

RS-6-1S (STC'd and PMA'd)

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

Lead Time: Usually ships within 3 - 5 days

PRICE: \$596



RS-6-2S (STC'd and PMA'd)

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

Lead Time: Usually ships within 3 - 5 days

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.

Lead Time: Usually ships within 3 - 5 days

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.

Lead Time: Usually ships within 3 - 5 days

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-5-1PS (STC'd and PMA'd)

Upgrades any primary TIT/CHT unit to read four channels of EGT **or** CHT

Lead Time: Usually ships within 3 - 5 days

SPECIFICATIONS: Body 1" x 1" x 1.5" depth, Front Panel 2" x 1.15"

INCLUDES: Unit, 4 ea 8' Cables, 4 Probes.

PRICE: \$744

OPTION: Add \$40 for 4 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.

Lead Time: Usually ships within 3 - 5 days

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.

Lead Time: Usually ships within 3 - 5 days

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 Order must specify either EGT or CHT Probes

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.

Lead Time: Usually ships within 3 - 5 days

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, RS6-1: \$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)

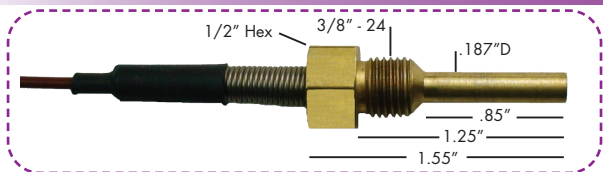
SPECIFICATIONS: 3 1/8" Mount, 2.5" Depth and 2.2lb Kit. Accurate to 1/2% with a 1 degree resolution. Operates from 7.5 to 35 volts at .1 amp.

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.

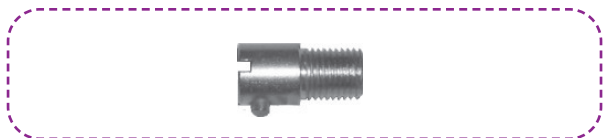
PRICE: \$116



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.

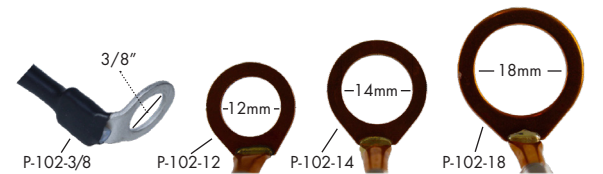
PRICE: \$116



A-101 - CHT ADAPTER

3/8" - 24, To be used with the P-101 CHT Probe.

PRICE: \$16



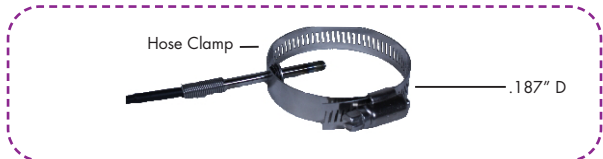
P-102-18: CHT Probe, 18 mm. Gasket Type, 700°F Max.

P-102-14: CHT Probe, 14 mm Gasket Type, 700°F Max.

P-102-12: CHT Probe, 12 mm Gasket Type, 700°F Max.

P-102-3/8: CHT Probe, 3/8" Piggy-Back Gasket Type, 700°F Max.

PRICE: \$116



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-110-R/F - EGT/TIT PROBE HARDWARE KIT

Can be used with either the P-110-R Probe or the P-110-F Probe.

PRICE: \$28

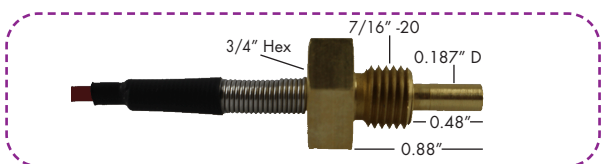


P-111: TIT PROBE, 1/8" NPT, with Adjustable Depth.

P-112: TIT PROBE, 7/16" - 20, with Adjustable Depth.

P-114: TIT PROBE, 1/4" NPT, with Adjustable Depth.

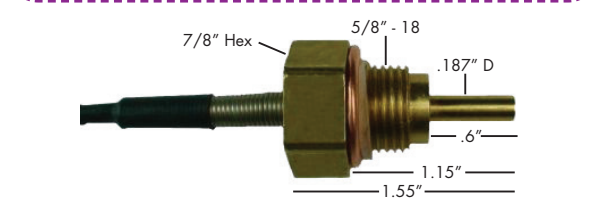
PRICE: \$128



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.

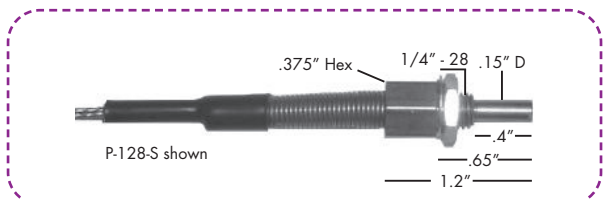
PRICE: \$195



P-120 - OIL TEMP PROBE

Can be used in a pressure environment, 700°F Max. Weight: 2.5 oz.

PRICE: \$116



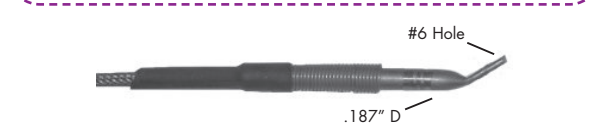
P-128 - OAT/CARB TEMP PROBE

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

AL-1(X) - CHROME ANNUNCIATOR LIGHT

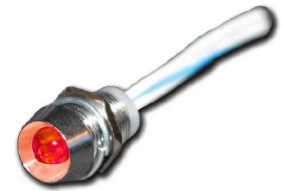
Not STC'd (Normally installed as a minor alteration.)

(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: .4" diameter x 1" depth. Operates on a 12 or 24-volt system. Comes with 32" leads.

PRICE:\$28



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.

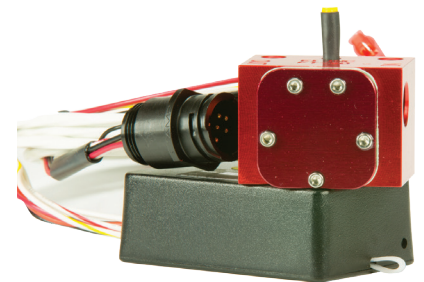
PRICE:\$36



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.



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



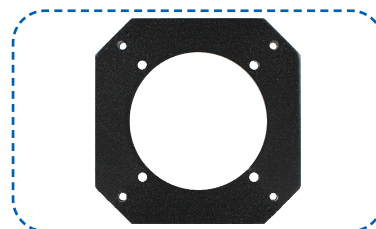
IU-1 - FOXBORO INTERFACE UNIT

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.

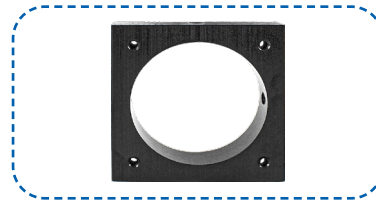
A-102 - ADAPTER PLATE - PRICE: \$24

EI's 2-1/4" instruments fit perfectly into our 3-1/8" Adapter Plates, which use a black powder-coated aluminum to match our instruments.



A-104 - ADAPTER PLATE - PRICE: \$125

EI's 2" instruments fit perfectly into our 2-1/4" Adapter Plates, which are made out of a black anodized aluminum to match 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	PRICE
8' Extension Cable	\$48
12' Extension Cable	\$64
20' Extension Cable	\$88

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).



XCO Extension Cable with OLC-2 connectors shown above.

CP-1 - LED INTENSITY CONTROL POT & 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 (PMA'D)

PRICE: \$44

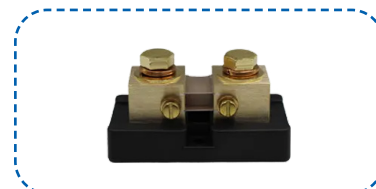
50 amp, 50mV (100 amp capability) External Shunt. To be used with a VA-1A-50. Size 2" x 1.2" x 1.7" height. 3.5 Oz. Unit.



S-300 SHUNT (PMA'D)

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

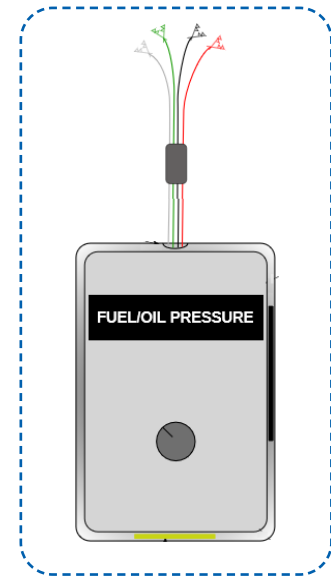
Outputs a variable RPM signal (800 to 2800 RPM, 40 to 140Hz, 18V pulse).

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

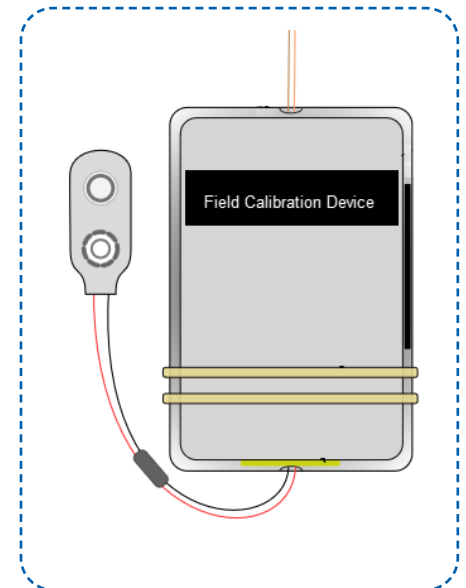
Outputs a NIST calibrated temperature signal around 778°C (1400°F). May be used to verify calibration of any Electronics International ITT, TOT, TIT, CHT, Oil Temp or other temperature instrument.

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

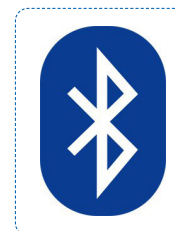
Outputs a NIST calibrated pressure signal that simulates a PT-30GA, PT-100GA, PT-300GA and PT-3000S pressure transducer. May be used to verify calibration of any Electronics International Torque, Oil Press, Fuel Press, Hyd Press or other pressure instrument that use the above listed transducers. This 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.

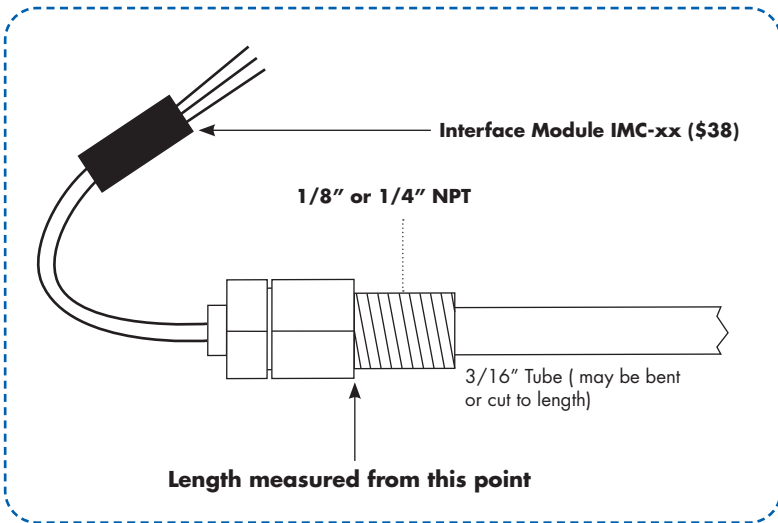
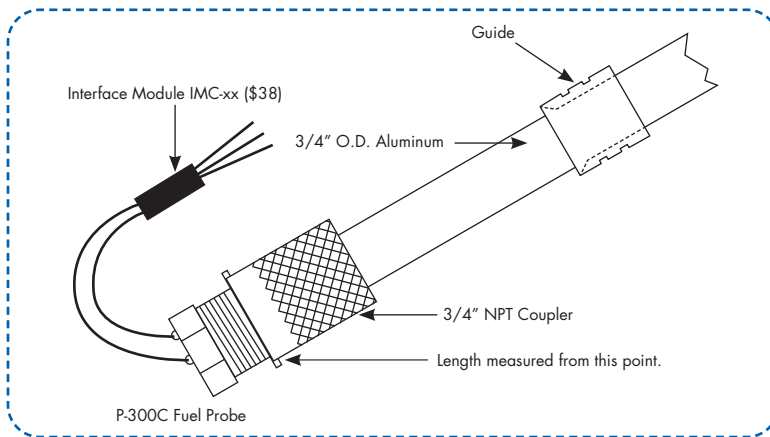


P-300C: CAPACITIVE FUEL LEVEL PROBE WITH ACCESSORIES

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.

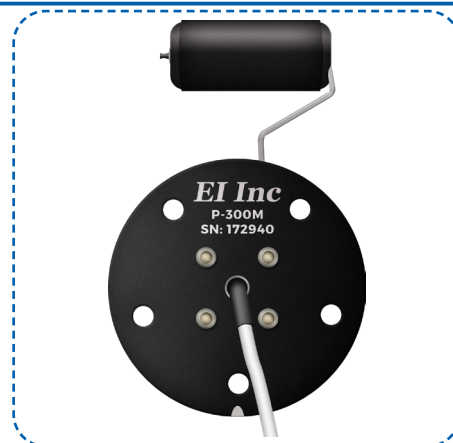
(Specify Length 2" to 72") **Please allow a minimum of 3 weeks for your order to be shipped.**

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).



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