

# ENGINE SCANNERS

## ELECTRONICS INTERNATIONAL FUEL FLOW / PRESSURE INSTRUMENTS



Two primary features of the FP-5 are a pilot programmable low fuel alert and a pilot programmable low time to empty alert. These alerts catch your attention by blinking the low fuel LED which will turn off when acknowledged by pushing any button or switch. These alerts can be at any time from the front panel of the FP-5. By setting these alerts, the FP-5 becomes a **Fuel Managing Co-Pilot**, alerting you when it is time to check your fuel levels, switch tanks, compare your time to destination calculations to the FP-5 readings or any other function you need to perform. Another primary

feature of the FP-5 is a **Pilot Programmable low fuel warning**. This warning catches your attention by blinking the low fuel LED which will turn off when acknowledged by pushing any button or switch. This warning is an emergency warning, similar to those on other fuel flow instruments, but it is **pilot programmable** from the front panel at any time. **This programmability allows you to set the limit to your specifications according to your aircraft and your desired safety margin** (not a fixed limit chosen by a Ioran or fuel flow manufacturer). FP-5L kits interface with any GPS or Loran that has an Argus RS-232 output part. To further manage your fuel and provide safety the FP-5 displays fuel pressure in .2 PSI increments to 100 PSI. In addition it offers 1 pilot programmable Low Fuel Pressure Warning & 1 Pilot Programmable High Fuel Pressure Warning. These warnings catch your attention by blinking the H/L press. LED. **These warnings are emergency warnings and can be instrumented in early problem detection.**

Features include programmable K factor, programmable fuel weight, programmable display for gal. or lbs., fuel flow to .1 gal/hr., fuel used and remaining to 1/10 of a Gallon, time to empty to one minute, fuel pressure to .2 PSI, one programmable low fuel alert, one programmable time to empty alert, one programmable high fuel pressure warning. STC'D. Size: 2.5" x 2.5" x 3.65"D. 2-1/4" bezel. wt. 12 oz.

- FP-5 Instrument only, no transducers .....P/N 10-25300 .....\$559.30
- FP-5 w/FT-60 transducer, no pressure .....P/N 10-25304 .....\$568.00
- FP-5 Kit w/FT-60/Pressure Transducer.....P/N 10-25306 .....\$677.00
- FP-5L Kits with pressure/GPS/flow .....P/N 10-25310 .....\$859.00
- FP-5 kit w/ FT-90 transducer, no pressure .....P/N 10-00260 .....\$568.00

### FFDM-1 Fuel Flow Differential Model

The Model FFDM-1 Fuel Flow Differential Module enables the FP-5 and FP-5L kits to accommodate a pressure carb with a fuel return line back to the fuel tank. Includes FT-60 Transducer. P/N 10-25325 .....\$348.95

The standard Fuel Transducer (FT-60) designed for the FP-5 Fuel Flow/Pressure instrument is intended to be used on aircraft equipped with fuel pumps. A gravity feed system requires the FT-90 flow transducer.

## ELECTRONICS INTERNATIONAL ULTIMATE BAR GRAPH ENGINE ANALYZER (STC'd, PMA'd)



The new Ultimate Bar Graph Engine Analyzer (Model UBG-16) is a sophisticated instrument with unique features designed to provide pilots with a unique tool for detecting engine problems in their earliest stages and assisting you in operation your engine safely and economically. UBG-16 features include: Sixteen input channel capability. Any channel may be set to display EGT's and CHT's, TIT, and Oil Temp in either digital or bar graph display, O.A.T, Carb. Temp, Cowl Temp, Other Temp, Oil Pressure, Fuel Pressure, Manifold Pressure, Gyro Pressure, R.P.M., Fuel flow, Bus Voltage or Amps. Engine Analysis is performed automatically with sixteen pilot programmable Over-Temp limits and sixteen Under-Temp limits, a differential limit and a shock-cooling limit. Programmable range for bars. Programmable Scan Rate. True Peak detect that eliminates false peak readings. Indicates as each cylinder reaches peak EGT. Displays temperature below peak EGT for accurate leaning. Fuel/air mixture profiling. Normalized mode with long term memory for easy problem detection and trend analysis. **Specifications:** 2.65" x 2.65" x 6" depth. 2-1/4" mount. 22 Oz. unit. 3.5 Oz. for each probe and 6' cable. **Accuracy:** 1/2%. Plasma display viewable in direct sunlight. Operates from 7.5V to 35V at 1/2 amp.

- UBG-16 Ultimate Bar Graph Engine Analyzer (Instrument Only) ..... P/N 10-25335 .....\$1,049.00
- UBG-16 with 8 Probes .....P/N 10-00593 .....\$1,638.00
- UBG-16 with 12 Probes .....P/N 10-00594 .....\$2,098.00

### REPLACEMENT PROBES/CABLES (6 ft.)

Description	Part No.	Price
EGT Probe	10-25225	\$96.25
Oil Press. Probe	10-25336	\$174.00
R.P.M.	10-25341	\$174.00
CHT Probe	10-25230	\$124.95
Fuel Press. Probe	10-25337	\$174.00
Fuel Flow (Incl. Transducer)	10-25343	\$344.00
TIT Probe	10-25235	\$99.50
Man. Press. Probe	10-25338	\$174.00
OAT Probe	10-25240	\$99.50
Gyro Vac. Probe	10-25339	\$174.00
Carb Probe	10-25250	\$96.75
Oil Probe	10-25245	\$96.75
Bus Voltage/Amps	10-25342	\$174.00

## ELECTRONICS INTERNATIONAL MVP-50 ENGINE MONITOR

### MVP-50 Glass Panel Engine Monitor and In-Flight Information System

Replaces over 15 engine instruments and 50 Functions. Enhanced TFT Color Display for sunlight viewing. Complete engine and aircraft system instruments in an easy-to-read format. USB Port for uploading and downloading data. Flight Data, Checklists, Flight Plans and Gen. Info. Screens. Easy to install! Reduces the wire bundle to the instrument panel by over 100+ wires.

### Complete Engine & Aircraft System Display

25+ years of experience and over 15 TSO'd instrument designs have been incorporated into the MVP-50. No more scanning a panel full of gauges looking for a possible problem. All your engine instruments are in one location. If any function exceeds its pilot programmed limit, the display will change color and blink, an external warning light will blink and a voice warning will be activated. The MVP-50 will not go out of date. The USB Port allows you to add pilot-generated checklists, flight plans, general information and voice warnings. Also, program upgrades and new features may be uploaded through this port.

### Fuel Management Screen

Any time one of several Flight Data Screens are displayed, the primary engine instruments are shown on the right side of the display. The "Fuel Management" data screen shows Four Fuel Tanks, Fuel Flow, Fuel Used, Fuel Remaining, Time Reserve and Distance reserve are automatically calculated from Fuel Flow, Fuel Remaining and GPS Data. If you do not have a minimum of 45 minutes of reserve fuel, the display will turn yellow. If you cannot reach your destination with the remaining fuel, the display will turn red.

For a complete list of shunts & transducers, see page 383.

- Engine Monitor MVP-50 6 Cylinder .....10-01191 .....\$4,575.00
- Engine Monitor MVP-50 4 Cylinder .....10-01192 .....\$4,162.50
- Display Unit Only MVP-50-P .....10-01193 .....\$2,995.00

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to Empty, Distance to Empty, Ground Speed, Efficiency (MPG), Fuel to Waypoint, Time to Waypoint, and Distance to Waypoint. Fuel Reserve, Time Reserve and Distance reserve are automatically calculated from Fuel Flow, Fuel Remaining and GPS Data. If you do not have a minimum of 45 minutes of reserve fuel, the display will turn yellow. If you cannot reach your destination with the remaining fuel, the display will turn red.

SAVE!

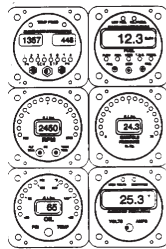
## ELECTRONICS INTERNATIONAL PANEL PACKAGES

SAVE!

### Includes:

1. **US-8:** All EGT's, all CHT's, OAT, carb. Temp, 16 programmable upper limits, 16 programmable lower limits, 2 programmable differential limits and a programmable shock-cooling limit.
  2. **FP-5:** Fuel flow, Rem, used time to empty, fuel pressure, 2 programmable low fuel limits, 1 programmable time to empty limit, programmable high and low pressure limits, programmable K factor, programmable fuel weight and programmable display for gallons or pounds.
  3. **R-1:** RPM w/high warning, tach time and flight time.
  4. **M-1:** Manifold pressure to .1" Hg. w/high warning.
  5. **OPT-1:** Oil pressure and oil temperature w/high and low warnings.
  6. **VA-1A:** Volts and amps with discharge and high voltage warnings.
- Total pkg will fit in a 5" x 7.5" space with no external boxes.
  - Includes all probes, 6' cables, transducers, accessories and a free LED front panel intensity control pot.

CALL FOR SPECIAL PRICES

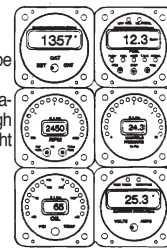


### PACKAGE B

### Includes:

1. **EAC-1:** One channel of EGT, CHT and OAT. The EGT and CHT may be upgraded to an analyzer with the addition of a remote switch.
  2. **FP-5:** Fuel flow, Rem, used, time to empty, fuel pressure, 2 programmable low fuel limits, 1 programmable time to empty limit, programmable high and low pressure limits, programmable K factor, programmable fuel weight and programmable display for gallons or pounds.
  3. **R-1:** RPM w/high warning, tach time and flight time.
  4. **M-1:** Manifold pressure to .1" Hg. w/high warning.
  5. **OPT-1:** Oil pressure and oil temperature w/high and low warnings.
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