

MVP-50P

Configuration Worksheet

General Information				
Customer Name:		Aircraft Make:		Aircraft Serial #:
Email:		Aircraft Model:		Aircraft Tail #:
Phone:		Engine Make:		# of Cylinders:
		Engine Model:		Max HP:
Standard wire length shipped with all instruments is 8 feet. ☐ Extend to 12 feet cable length. (\$250 additional charge) ☐ Extend to 20 feet cable length (\$500 additional charge)			Other certification options: ☐ Include a Certificate of Conformance (\$10) ☐ Include an 8130-3 (\$99). Can add up to 2 weeks to lead time.	

IMPORTANT For each order, this worksheet **MUST** be completed and submitted, along with the following items:

1. **Specific pages from your POH/AFM:**
 - POH/AFM Cover Page
 - Engine/Operations Limitations Page and the page before it and the page after it.
 - Power Plant/Engine Instrument Markings and the page before it and the page after it.
2. **Any ADs/STCs/AFMs that affect the original power plant instrument markings.**
3. **Closeup color photos of the primary gauges in your aircraft panel (optional, but helpful).**

Ignition Configuration:	☐ 2 Mags ☐ 1 Mag + 1 SureFly ☐ 1 Mag + Electronic ☐ Other: _____
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Function Selections:		The MVP-50P can display up to 29 functions. The first 3 functions are pre-selected below. Select the remaining functions by numbering them 4 through 29. All functions are included in the kit price except those with additional costs. Those prices are indicated below. Also indicate measurement units where applicable.			
Function #	Has Limits (Y/N)	Function & Units (if applicable)	Function #	Has Limits (Y/N)	Function & Units (if applicable)
1		RPM			Airspeed ☐ kts ☐ mph ☐ kph
2		EGT - All Cylinders ☐ °F ☐ °C			Carb Temp ☐ °F ☐ °C
3		CHT - All Cylinders ☐ °F ☐ °C			TIT ☐ °F ☐ °C (For turbo-charged aircraft)
		Manifold Pressure			IAT ☐ °F ☐ °C (For turbo-charged aircraft)
		Fuel Pressure (Must have Fuel Pump) ☐ psi ☐ bar			CDT ☐ °F ☐ °C (For turbo-charged aircraft)
		Fuel Pressure for Turbocharged A/C ☐ psi ☐ bar			Hydraulic Pressure ☐ psi ☐ bar
		Fuel Flow, Gravity Feed, No Fuel Pump			OAT in °F
		Fuel Flow, Aircraft with Fuel Pump			OAT in °C
		Fuel Flow, Aircraft with Pressure Carb			Horsepower (Requires MP)
		Estimated Fuel (Must Have Fuel Flow) Units: _____			G-Meter (Does not have Peak Hold feature.)
		Fuel Tank 1			Cabin Pressure ☐ psi ☐ kft ☐ "Hg
		Fuel Tank 2			Cabin Differential Pressure ☐ "Hg ☐ psi
		Fuel Tank 3			Cabin Air Temperature ☐ °F ☐ °C
		Fuel Tank 4			CO Detector (additional \$695)
		Fuel Tank 5 Choosing more than 4 fuel tanks will require a 2nd EDC, additional \$1,600.			Local Time**
		Fuel Tank 6			Zulu Time**
		Oil Pressure ☐ psi ☐ bar			Engine Time**
		Oil Temp ☐ °F ☐ °C			Tach Time**
		Volts ☐ 12V ☐ 24V			Flight Time
		AMPS			Pressure Altitude and Vertical Speed Indicator ☐ feet ☐ meters (additional \$395)
		2nd AMPS (includes FM-VA-3 Module)			
		Vacuum Pressure ☐ psi ☐ "Hg	Other Annunciators/Status Indicators, Quantity***: _____		

** Local Time, Zulu Time, Engine Time and Tach Time are built in and are displayed in a submenu. You may still select them as functions to display on the main screen.
 ***All annunciators/status indicators count towards the total displayable functions. Use the following pages to configure these.

Aircraft Tail #:

AMPS (if selected)	☐ Battery Current (Ammeter) ☐ Alternator/Generator Current (Loadmeter) ☐ Other: _____		
☐	Use the included 100-Amp Shunt.		
☐	Use the included 300-Amp Shunt. Rarely required and reduces resolution to one amp.		
☐	The aircraft's existing shunt will be used. Value is _____ Amps at _____ mV.		

2nd AMPS (if selected)	☐ Battery Current (Ammeter) ☐ Alternator/Generator Current (Loadmeter) ☐ Other: _____
☐ Use the included 100-Amp Shunt.	
☐ Use the included 300-Amp Shunt. Rarely required and reduces resolution to one amp.	
☐ The aircraft's existing shunt will be used. Value is _____ Amps at _____ mV.	

Fuel Flow (if selected):	Total Usable Fuel: _____ Units: _____ (if not specified, US Gallons will be used)
	Default Full Level 2: _____

Fuel Tank Configuration (if selected)				Units:	Choose US Gallons, Liters, Pounds, or Bri/Imp Gallons	Feed or Transfer?	
Fuel Tank 1 Name:		Usable Fuel Level:		Units:		Type:	
Fuel Tank 2 Name:		Usable Fuel Level:		Units:		Type:	
Fuel Tank 3 Name:		Usable Fuel Level:		Units:		Type:	
Fuel Tank 4 Name:		Usable Fuel Level:		Units:		Type:	
Fuel Tank 5 Name:		Usable Fuel Level:		Units:		Type:	
Fuel Tank 6 Name:		Usable Fuel Level:		Units:		Type:	

Fuel Tank Sensor Type: ☐ Resistive Sensor ☐ E.I. P-300M Magnetic Sensor ☐ E.I. P-300C Capacitive Sensor
☐ CIES Volts ☐ CIES Frequency ☐ Penny Cap Capacitive or Other Sensor Type*

Bus Voltage: ☐ 12V ☐ 24V

Fuel sensors are not included in the kit price. Do you need to purchase fuel sensors? ☐ Yes ☐ No

☐ E.I. P-300M Magnetic Sensor Quantity: _____ (\$540/sensor)

☐ E.I. P-300C Capacitive Sensor Quantity: _____ (\$500/sensor)

*For Penny Cap & other probes contact E.I. Support to provide probe details.

[illegible]

Aircraft Tail #:

CHT Probe Type (if selected):

For additional probe options
contact E.I. Support

- ☐ 3/8" - 24 Screw-in (E.I. Model: P-100). Standard in the instrument kit.
☐ 3/8" Piggy-Back Gasket for Tanis Heaters (E.I. Model: P-102-3/8)
☐ 18mm Under Spark Plug Gasket-Style (E.I. Model: P-102-18)
☐ P-101 CHT Probe with A-101 adaptor (Add \$20 charge for adaptor: Yes ☐ No ☐)

TIT Probe Type (if selected):

- ☐ Hose Clamp (E.I. Model: P-110R) ☐ 1/4" NPT (E.I. Model: P-114)
☐ 1/8" NPT (E.I. Model: P-111)
☐ 7/16-20 (E.I. Model: P-112)

Status Indicators

Each status indicator or function requires a VI-221 interface, these are included in each instrument kit. Please ensure that there are adequate channels on your EDC-33P to support your functions.

Select	Function	Voltage to the EDC: LIGHT ON	Voltage to the EDC: LIGHT OFF
☐	\$995 Gear Status Option - Airspeed Always Included		
☐	Option 1:		
	Nose Gear Down		
	Main Left Gear Down		
	Main Right Gear Down		
	Gear Unsafe Light		
☐	Option 2:		
	Gear Down Combined (provides signal for all gear indications, or use the individual functions above)		
	Gear Unsafe Light		

Select	Function	Voltage Range For Trim
☐	Rudder Trim (OEM or Experimental Only)	
☐	Elevator Trim (OEM or Experimental Only)	
☐	Aileron Trim (OEM or Experimental Only)	
☐	Flap Position (OEM or Experimental Only)	

I (the undersigned) have entered and verified all the information listed on this worksheet to be correct and I have supplied all required excerpts of the aircraft's POH/AFM, including any changes mandated by any AD's, Supplements and STC's. When necessary, I have checked with my FAA certified mechanic to ensure all of the information listed above and all documents that I am supplying are correct.

☐ I have verified that my aircraft make and model are listed on the applicable STC/AML for this instrument.

☐ My aircraft is experimental or I am working with the FAA for installation approval.

Any configuration changes after this form is submitted may incur a reconfiguration fee. I understand there is important safety information in the Installation and Operating Instructions that must be read before installing the MVP-50P and flying the aircraft.

Completed by: ☐ Owner ☐ Pilot ☐ Technician ☐ Other: _____

Printed Name

Signature

Date

Hand Signature or Encrypted Digital Signature required.