



# MVP-50P

## Overview

The MVP-50P is now TSO'd and STC'd! If you plan on ordering the STC'd version of the MVP-50P, be sure to fill out the [Redlines and Limits](#) worksheet for the package you order.

## What is the MVP-50P?

Without question, the MVP-50P is the industry's finest engine analyzer and systems monitor, hands down. Electronics International has redefined what an engine analyzer should be with the full color, glass-paneled, completely customizable MVP-50P. The MVP-50 allows pilots to accurately monitor dozens of engine and system parameters, program redline limits, setup 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 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.

## Features

Programmable over-temp limits provide pilots with immediate alerts whenever critical function parameters are exceeded during flight. Onboard data-recording gives pilots the capability to review entire flight histories for any flight. A complete bar graph gives critical engine information during flight, including leaning assistance, temperature differentials, audible and visual limit alerts. The System Screen is dedicated to aircraft systems, including flaps, trim and rudder, as well as whatever other functions you want to view. Customizable checklists visually inform you which steps have and have not been completed in each checklist. General Information Screens and Flight Plan Screens can be customized to store critical flight information, allowing you to create a "virtual cockpit," free of the pieces of paper pilots regularly have to juggle to stay on top of in-flight operations

## MAIN SCREEN

### RPM

The RPM is displayed in large, bright, crisp digits as well as in a 270 degree graphic arc, so you can simultaneously monitor RPM at a glance and with precision accuracy. Wires from the MVP-50P harness connect to the back of the aircraft ignition switch and pick up the signals from the magnetos. The MVP-50 provides lightening quick RPM response while maintaining rock solid stability.

### Manifold Pressure

Like the RPM, the Manifold Pressure is displayed in large, bright, crisp digits as well as in a 270 degree graphic arc. You will be able to dial in your Manifold Pressure with precision when flying with the MVP-50.

## **Outside Air Temp**

The MVP-50P simultaneously displays Outside Air Temperature in Celcius and Fahrenheit, meaning you don't have to do in flight conversions or switch between the two. Ice Zone warnings can be set to alert you when temperatures reach ranges within which ice can form.

## **Engine Temperatures**

EGT and CHT are always shown for each cylinder, whether in Bar Graph or Digital Mode. Temperatures have a stable, one degree resolution for accurate leaning and engine diagnostics. Both EGT and CHT differentials, as well as the hottest cylinders, are always displayed for quick reference.

## **Fuel Flow**

The main screen constantly displays the current fuel flow, accurate to .1 gph. Proprietary algorithms allow rapid response to engine adjustments without irritating, jumpy readings.

## **Fuel Levels**

Up to four fuel levels at a time may be monitored and displayed on the Main Screen at one time.

## **Electrical System**

The precise resolution of .1 volts and .1 amps allows you to accurately monitor and manage the load on your aircraft electrical system and the health of your battery.

## **Timers**

Select from Up Timers, Down Timers, Flight Time and Clocks.

## **The Bar Graph**

The MVP-50P comes complete with a full engine analyzer. The MVP-50P bar graph displays EGT & CHT, has programmable redlines for each cylinder, displays temperature differentials, assists with leaning for ROP and LOP operations, and has an easily resettable Normalized Mode with long-term memory for engine trend analysis.

## **Redlines & Operating Range**

Regardless of the parameter you monitor with the MVP-50P, the operating ranges are completely programmable. The MVP-50 will alert you via visual and/or audible alarms when a parameter exceeds the programmed limits.

## **Choose Your Functions**

Several different functions are available, including Gyro Vacuum, Flaps, Hydraulic Pressure, Pressure Altitude, Airspeed, virtually any temp or pressure, plus more! Or, add an additional voltage or amps to monitor a secondary bus. The MVP-50 even allows you to create and name your own functions. The options are nearly limitless.■