



MVP-50T

Overview

What is the MVP-50T?

The MVP-50T has redefined what a Turboprop engine analyzer should be. This premiere engine monitoring dynamo includes accurate, programmable monitoring for all major Turboprop functions, including N1, N2, ITT, Torque, Oil Pressure, Oil Temperature, Volts, Amps, Fuel Level, Fuel Flow, Time to Empty, and many other critical functions.

In addition, the MVP-50T offers pilots customized, interactive checklists, custom information screens, Programmable Temp Limits, Data Recording Capabilities, and the convenience of a USB Port on the front of the bezel for easy changes in configurations, data recording downloads and other critical files.

The bottom line is that there is no other system that even comes close to offering the functionality provided by the MVP-50T!

Programmable Over and Under Temp Limits

These limits provide pilots with immediate alerts whenever critical function parameters are exceeded during flight.

Onboard Data-Recording

This on board functionality gives pilots the capability to review entire flight histories for any flight. 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

Allow the MVP-50T to visually inform you which steps have and have not been completed in each checklist.

General Information Screens and Flight Plan Screens

These 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.

Onboard USB Port

This conveniently located port allows pilots to quickly change configurations, update firmware, upload checklists, upload flight plans, upload general information screens, and download critical flight data logs.

Main Screen

N1 and N2

The RPM's are 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 EDC-33T wire harness connect to the outputs of the Tach Generators.

Torque

The MVP-50 provides pilots with precision digital torque readings, along with a 270° graphic arc, so pilots can determine at a glance where the Torque is currently, and can likewise see within 1% the current Torque reading.

ITT

During startup, the ITT readings must be kept under redline to avoid costly damage to the engine stator fans. The MVP-50T keeps a close watch on the ITT during all engine operations, and provides pilots with precision accuracy along with a graphical arc for immediate visual reference.

Engine Pressures

The MVP-50T watches over Fuel Pressure and Oil Pressure, and displays both in digital and strip gauge formats for quick and accurate reference.

Fuel Flow

The main screen constantly displays the current fuel flow, accurate to .1 gph, in both digital and strip gauge formats. Proprietary algorithms allow rapid response to engine adjustments without irritating, jumpy readings.

Fuel Levels

The MVP-50T can monitor several fuel levels, but two main fuel levels are constantly displayed on the Main Screen in digital and strip gauge formats for quick and accurate reference.

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.

Redlines & Operating Ranges

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.

Annunciator Panel

The MVP-50T boasts a customizable panel of annunciators that are constantly viewable on the Main Screen. This way, if a baggage door is open, pitot heat is on, or any other parameter needing to be monitored reaches or exceeds a redline, the pilot will be notified immediately of the condition.

Choose Your Functions

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