



Rocky Mountain Aircraft

ENGINEERING MAINTAINANCE AVIONICS

Rocky Mountain Aircraft has successfully engineered and installed a replacement engine instrument system for the DHC-6 Twin Otter.

Using Electronic International MVP-50 displays all the legacy engine instruments have been replaced, along with fuel probes and several engine sensors.

The new system records all engine parameters which can be downloaded directly from the MVP-50 in an excel format for use with engine trend monitoring software.

The initial installation was carried out in one of Rocky Mountain Aircraft's Twin Otters and has been operating in the field for over six months.

The system has been approved under TCCA STC SA12-13
FAA and EASA approvals are pending.



Reduced maintenance costs, increase in safety and awareness.
Engine performance monitoring for the twenty first century.
Contact Rocky Mountain Aircraft for more information

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Specifications, Functions and Features

Models: MVP-50P, MVP-50T, EDC-33P and EDC-33T-XX
MVP-50P and MVP-50T

Weight: 1.9 Lbs.

Environmental: Designed and Tested to TSO (DO-160E, See Environmental Qualification Form)

Software: Designed and Documented to TSO (DO-178B, Level C)

Minimum Performance Standards: TSO-C43c, TSO-C44c, TSO-C45b, TSO-C47a, TSO-C48, TSO-49b and TSO-C55a.

Power Requirements: 7.5 to 30 Volts, 0.3 amps @ 24V (Typ), 0.6 amps @ 12 Volts (Typ).

USB Port: For USB Memory Stick use only.

Display: Active Matrix TFT, 262,144 colors, Sunlight readable

Backlight: Internal electric eye and external control line.

EDC-33P and EDC-33T

Weight: 1.0 Lb

Environmental: Designed and Tested to TSO (DO-160E, See Environmental Qualification Form)

Software: Designed and Documented to TSO (DO-178B, Level C)

Power Requirements: 7.5 to 30 Volts, 0.1 amps (Typ).

Accuracy all Functions: < 1% (Unless otherwise noted)

Input Configuration: EDC-33P; 1-Volt Channel, 1-Amp Channel, 1-Fuel Flow Channel,

6-Pressure Channels, 17-Temp Channels, 4-Resistive Fuel Level Channels, 4-Capacitive Fuel Level Channels and 2-RPM Channels.

EDC-33T-XX; 1-Volt Channel, 1-Amp Channel, 1-Fuel Flow Channel,

9-Pressure Channels, 13-Temp Channels, 4-Resistive Fuel Level Channels or 4-Capacitive Fuel Level Channels and 2-RPM Channels.

Note: Temp and Fuel Level channels can be used to monitor other functions or annunciators.