FLIGHT DATA VISION

MONITORING AND DOWNLOAD UNIT

MDU 379 P/N : 300-020-XXX

Confidence and efficiency of flight data analysis highly depend on sensor accuracy. This latest technology, Monitoring & Download Unit, solves the practical problems of real time monitoring offlight data for true operational value.

Flight Data Vision MDU 379 is designed using the latest technologies and electronic concepts to provide a highly reliable unit that is simple to install and operate.
The flexibility of the product and its adherence to the functional characteristics of ARINC 573/717, ARINC 429 and EIA RS422 allow its use on most aircraft types.

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Key Features of the MDU 379

► 450 gr (1.0lb)
► USB powered
► Simple Operating – USB 2.00 Full Speed Interface
► 1 x Opto-Isolated ARINC 573/717 Input
► Up to 2 x ARINC 429 Inputs
► 1 RS 422 High Speed Interface
► 1 x ARINC 573/717 Output

Installation :

The MDU 379 has been designed to simplify Flight Line operations.

The MDU 379 interfaces to a laptop or desktop computer using a standard USB 2.0 full speed compliant port.

Drivers are available to ensure a complete Microsoft Windows 7/8/10 32bit & 64bit compatibility.

The MDU 379 requires PGS P/N : 100-0X00 software to operate its Read Out and Real Time Monitoring features

FDR / CVR Read Out :

The MDU 379 connects to flight recorders for downloading flight data directly to a laptop or desktop computer.

The MDU 379 supports the following list of flight recorders:

HONEYWELL	SSFDR	P/N 980-4120-XXXX	P/N 980-4700-XXX	P/N 980-4710-XXX
HONEYWELL	SSCVR	P/N 980-6020-XXX	P/N 980-6022-XXX	P/N 980-6023-XXX
HONEYWELL	SSCVFDR	P/N 980-6021-XXX
CURTISS-WRIGHT	SSCVFDR	P/N 2000/D51521-XXX-XXX

Real Time Monitoring :

The MDU 379 connects to aircraft ARINC 717 flight data stream or to aircraft ARINC 429 sensors data stream and transfers the data in real time to laptop or desktop computer where parameters values are displayed in engineering units.

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<table>
<tr><td rowspan="10">OUTLINE SPECIFICATION</td><td>Dimensions</td><td>Overall length: 147mm | Overall width: 89mm | Overall height: 44mm</td></tr>
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OUTLINE SPECIFICATION	Dimensions	Overall length: 147mm | Overall width: 89mm | Overall height: 44mm
	Weight	450 gr (1.0lb)
	Color	Black and Orange
	Case Construction	Aluminium housing assembly
	Power Supply	USB powered
	Power Consumption	Typical 2 Watts
	Connectors	SUBD, 44 pin USB Type B
	Temperature	Operating: -25°C to +60°C | Storage: -55°C to +75°C
	Computer Interface	1 x USB 2.0 Full speed
	Aircraft Interfaces	1 x Opto-Isolated ARINC 573/717 Bi-Phase Mark or Bi-Polar - RZ input up to 2048 wps 1 x ARINC 573/717 output 1 x RS422/HDLC 2 x ARINC 429 inputs, High or Low speed (Optionnal)