

More than 30 airlines already have recognised the value of rapid daily replay of in-flight data for more efficient maintenance, flight operations and flight safety programs. This Curtiss-Wright Controls Integrated Sensing (CWCIS) OQAR is in service on a large variety of aircraft types, encompassing most of the Airbus and Boeing ranges. In most cases type certification specifies the unit as a standard BFE option.

A proven system providing immediate operational benefits.

- Industry standard 3.5 inch magneto-optical disks
- 1,024 words per second
- Interfaces to ARINC 573/717 data acquisition (DFDAU) or data management (DMU) unit
- Disk erasure not necessary
- Normal or endless loop options

Utilizing industry-standard 3.5-inch optical disk technology, the Optical Quick Access Recorder (OQAR) can also record other parameters not available to the flight data recorder, thus providing you with a more complete picture of aircraft and crew performance.

Entering of set-up data and tail number information is easy and convenient via a simple keypad and alphanumeric display, while a multitude of interface options provides maximum installation flexibility.



**Rapid daily replay of  
in-flight data...**

- **more parameters**
- **more interface options**
- **more maintenance efficiency**
- **more operations**

#### **Quality Approvals**

CWCIS are committed to complete customer satisfaction in all products and services. International quality approvals include BS EN ISO9001:2000 and Civil Aviation Authority

[www.cwcontrols.com](http://www.cwcontrols.com)

# OQAR

## OPTICAL QUICK ACCESS RECORDER

# O Q A R

## OPTICAL QUICK ACCESS RECORDER

### TYPICAL OUTLINE SPECIFICATION

For further information please contact the sales department as listed below

### KEY FEATURES

Auto configuration  
Industry standard media  
Internal time stamping of data  
Keypad and alphanumeric display to enter set-up data and tail number information  
Event log file for diagnostics  
ARINC 429 interface option  
In-situ software upgrade

### SPECIFICATION

#### Functionality

Standards:	RTCA DO-160C / 178B
Data recording capacity:	360 to 720 hours @ 64WPS, 23 to 46 hours @ 1,024WPS
Recording media:	3.5in magneto-optical disk DOS format
Recording data rate:	64, 128, 256, 384, 512 or 1,024 WPS
Interfaces:	ARINC 573 / 717 and ACMS
Control inputs:	RS 422
Data/status outputs:	RS 232 ARINC 591 status signal
Optional interfaces:	Plessey DMEP - unipolar NRZ, ARINC 429 - 2 RX/1 TX
Packaging:	ARINC 404A - 1/2 ATR ARINC 600 - 4 MCU
Operating temperature:	-15°C to 70°C
Non-operating temperature:	-30°C to +85°C
Power:	115 VAC @ 400Hz 30W max
Weight:	<7kg (15.4lb)
MTBF (flight hours):	10,000

#### Curtiss-Wright Controls Integrated Sensing

##### Avionics & Electronics

Penny & Giles Aerospace Ltd  
1 Airfield Road  
Christchurch  
Dorset BH23 3TH  
United Kingdom  
+44 (0) 1202 481771  
+44 (0) 1202 484846 Fax  
avionics@pennyandgiles.com

Innovation In Motion

**CURTISS  
WRIGHT** Controls  
Integrated Sensing