

Confidence and efficiency of flight data analysis highly depends on access and reliability of in-flight recorded data. This latest technology, Quick Access Recorder, solves the practical problems of retrieving data for true operational value.

Curtiss-Wright Controls Integrated Sensing (CWCIS) Quick Access Recorders are designed using the latest storage technologies and electronic concepts to provide a highly reliable recorder that is simple to install and operate.

- Very low weight. Less than 1.5kg (3.3lb)
- Very low power. 7 Watts maximum
- Up to 1 gigabyte removable solid state memory
- Simple installation
- ARINC 573/717 flight data recorder compatible
- Time stamp recording

SSQAR has been designed to simplify installation and location onboard the aircraft. Attachment directly to the airframe in any orientation eliminates any additional mounting tray. A single MIL-C-26482 / O2E 1419 P 50 rear connector is incorporated instead of the bulky ARINC 600 series interface.

Using the PCMCIA concept eliminates the need for a specialized and expensive download unit. Reading recorded flight data parameters utilizes a PCMCIA drive on a computer running standard Windows™ operating systems.



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

- more capacity
- more compact
- more cost efficient
- more simplicity

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

SSQAR

SOLID STATE QUICK ACCESS RECORDER

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SOLID STATE QUICK ACCESS RECORDER

TYPICAL OUTLINE SPECIFICATION

For further information please contact the sales department as listed below

SPECIFICATION

Weight:	Less than 1.5kg (3.3lb)	Storage media:	PCMCIA Type II solid state memory cards
Dimensions:		Recording data rate:	Programmable recording speed, 64 to 256 words per second (WPS)
Overall length :	201mm	Recording capacity:	Up to 2000 hours at 64WPS
Overall width :	135mm	Error rate:	Less than 1 bit in 10^{14}
Overall height :	68mm	Reliability:	LRU: 20,000 flying hours PCMCIA memory card: 100,000 hours
Power supply:	28 VDC - 115VAC 400Hz	Software approval:	RTCA DO178B
Housing:	Aluminium case assembly	Environmental qualification:	RTCA DO160D
Connector:	MIL-C-26482 / 02E 1419 P 50	Readout:	H/W : standard PCMCIA drive S/W : PC based replay with standard commercial Windows™ software packages
Power consumption:	Typical 6 Watts	Configuration:	Uploadable customer's flight data parameter sampling program Self configuration / auto detecting
Operating temperature:	-15°C to +55°C		
Storage temperature:	-40°C to +80°C		
Cooling:	Free air convection. No forced cooling required		
Mounting installation:	Rigid mount, any orientation, No mounting tray		
Interfaces:*	ARINC 573/717 Up to 8 ARINC 429 Input lines 6 discrete inputs lines series 6 discrete inputs lines shunt 1 high speed RS422 Run control RS 232 front connector test		

*Interface optional defined by part number.

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Innovation In Motion

**CURTISS
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Integrated Sensing