



## Micro Quick Access Recorder

The L3 Micro Quick Access Recorder ( $\mu$ QAR) is designed for use in commercial and military aircraft operating with solid-state flight recording systems. The instrument's unique features include a very light structure (6 oz./170 g) with a fixed or removable Compact Flash (CF) memory card and a standard USB 2.0 interface for optional downloads. The  $\mu$ QAR records a copy of the data provided to the Flight Data Recorder (FDR) for easy retrieval in Flight Operations Quality Assurance (FOQA) systems. The data stored in the CF card can then be transferred into a third-party FOQA/FDM (Flight Data Management) system for analysis.



Use of U.S. DoD visual information does not imply or constitute DoD endorsement.



### FEATURES

- Compatible with ARINC 573/717/747 FDRs
- Optional ARINC 429 version with 2 inputs (high or low speed)
- AC and DC versions available
- Optional bi-polar or bi-phase inputs
- Optional data wrapping and data sensing
- Optional USB output from main connector or standard USB jack
- Optional electrical connector configurations
- MTBF > 100,000 hours
- Lightweight at < 6 oz. (170 g)
- Custom configurations
- Compatible with all major FDM analysis tools
- FAA, STC and EASA minor modification packages available



## Micro Quick Access Recorder

### SPECIFICATIONS

#### PHYSICAL DIMENSIONS

Height	1.8 in. (3.56 cm)
Width	2.2 in. (5.59 cm)
Depth	2.7 in. (4.32 cm)
Weight	6.0 oz. (170 g)

#### POWER

Consumption	1.6 W
Input Voltage	115 VAC, 400 Hz or 28 VDC

#### CONNECTORS

M83723/76R1415N
MS24266R14B15PN
MS24266R22B55PN

#### STORAGE CAPACITY

2 GB on internal-fixed media or removable compact flash (CF) memory card

#### DATA INPUT

Format	64/128/256/512/1024 wps Harvard bi-phase synchronized per ARINC 573/717/747 or bi-polar
Signal Characteristics	Compatible with ARINC 573/717/747
Processing	True differential analog processing with digitally adaptive bit synchronization
Optional Channels	2 Channels - ARINC 429 (high or low speed)

#### OUTPUT FORMAT

Data can be processed into packed and unpacked files as well as ROSE-compatible files

#### DOWNLOAD

High-Speed	Via USB 2.0 interface
Types	Onboard aircraft, removable media and shop readout

#### STC/PMA

FAA, STC and EASA minor modification packages available. Contact the factory at Tel: 941-371-0811, ext. 5618 for further details.

#### REGULATORY SPECIFICATIONS

RTCA/DO-160D, RTCA/DO-178B Level E

#### COMPANY CERTIFICATION

L3 Aviation Products Quality Management System is ISO 9001:2008 and AS9100:2009 Rev. C Certified

#### L3 Aviation Products

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**L3 Aviation Products** is a leading provider of commercial and military avionics, as well as MRO services. We manufacture a diverse line of safety- and efficiency-enhancing products that sets the standard for next-generation cockpit requirements.