L-3. Technology Without Boundaries.

MARITIME

Simplified Voyage Recorder (SVR02)

Model Number: SVR02

A Next Generation Final Recording Medium Stored in a Lightly Protected Capsule Designed Specifically for the Simplified Voyage Data Recorder (S-VDR) as required in MSC.163(78).

- New Compact and Lightweight Design
- Storage Capacity Exceeds 12 Hours of Voyage Data (RADAR, Audio, and Sensor)
- 2 GB Solid State Memory (Expandable)
- Long Life/Low Operating Power
- Meets or Exceeds All Required IEC 61996-2 and 60945 Test Specifications
- Ethernet Interface and Internet Web Server
- Common Electronics and Software Interface

communications

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SPECIFICATIONS
SIMPLIFIED VOYAGE RECORDER (SVR02)

The SVR02 provides an Ethernet interface that is a 10/100base-T/STP (shielded twisted pair), CAT 5e with flammability per IEC 95. The power, is less than 5 Watts for a 75 meter run, on 24Vdc, the recommended wire gauge is AWG #20 or less. The SVR has an externally mounted Underwater Location Beacon (ULB). The SVR02 is certified to meet and/or exceed requirements for the environmental qualification categories of IEC 60945, and the survivability requirements of IEC 61996-2.

Physical

Height	8.47 inches (215mm)
Diameter	7 inches (177.8mm)
Width	Mounting base 7.2 inches (182mm)
Weight	17.84 pounds (8.1kg)
Color	Fluorescent Orange, White

Power

Requirements	24 Vdc
Consumption	5 W, max at 24 Vdc

Cabling

TCP/IP Ethernet CAT 5e cable
DC power cable 20-14 AWG

Recording Time

12 hours of RADAR, sensor, and audio data

Environmental

Fully tested and compliant to IEC 60945 exposed environment.

Fully tested and compliant to IEC 61996-2 simplified protective capsule requirements including:

Fire Protection	50,000 BTU/sq foot/hour for 60 minutes at 1100° 10 hours at 260°C
Shock	IEC 68-2-27 50g's, 11ms, half-sine shock
Immersion	6000 meters depth

Underwater Acoustic Beacon

SAE AS 8045 compliant, supplied with unit

SIMPLIFIED VOYAGE RECORDER (SVR02)

AUDIO ACQUISITION AND MICROPHONE MIXER (AAMM)

The AAMM has a PCI bus interface and resides in the PC used by the Voyage Data Recorder (VDR) to process data. The primary function of the AAMM is to acquire and mix microphone inputs and generate compressed audio data. The AAMM is capable of mixing up to nine preamplified microphone signals into three area audio channels and mixing up to three radio channels into one radio audio channel. The compressed data is sent to the Hardened Voyage Recorder (HVR) via Ethernet using TCP/IP.

L-3 Aviation Recorders Quality Management System is ISO 9001:2000 and AS9100:2004 Rev. B Certified

For additional information contact:

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