

L-3 AR Maritime Products

FLOAT FREE SIMPLIFIED VOYAGE RECORDER

The L-3 Float Free Simplified Voyage Recorder (FFSVR) is specifically designed to be integrated with a Simplified Voyage Data Recorder (S-VDR). The final recording medium is stored in an EPIRB capsule and will automatically float-free if a vessel sinks, allowing for surface retrieval of the FFSVR.



KEY FEATURES

- High quality integral EPIRB
- Internal GPS with quick acquisition
- Standard memory capacity exceeds 12 hours of voyage data (RADAR, audio and sensor)
- Scalable memory capacity for long term recording
- Battery life excess of 7 days (7+ days of float free operation)
- Meets or exceeds all required IEC 61996-2 and 60945 test specifications
- Non-proprietary web-based interface for setup and status
- Common software interface with previous models of "fixed capsules"
- Flashing Xenon Locator Light
- Stainless steel mounting bracket with hydrostatic release



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PHYSICAL DIMENSIONS

Height:	56.24 cm (22.14 inches)
Diameter:	18.01 cm (7.09 inches)
Weight:	3.5 kg (7.72 pounds)

POWER REQUIREMENTS

Voltage:	24VDC
Consumption:	5W (75m run)

CABLING REQUIREMENTS

Data:	TCP/IP Ethernet CAT 5e cable (75m or less)
Power:	DC power cable AWG #20 (or less)

ENVIRONMENTAL

Temperature Range:	-20° to +55°C (operating) -40° to +70°C (storage)
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Degree of protection: 10 m depth at 5 min

GENERAL

Locator lights:	Flashing Xenon light
Test light:	Test LED
Frequency range:	406.028/121.5MHz
Programming:	IR port, 2400 bit/s
Operating life EPIRB:	168 hours at -20° C
Material housing:	Polycarbonate with 10% glass fiber
Antennas	406.028MHz
121.5MHz:	Built in, vertical polarization, omnidir
Antenna GPS:	Built in GPS patch antenna
Battery module:	Lithium-Thionyl chloride (Li-SOCL2)

GPS RECEIVER

Type:	12 channel GPS receiver
Accuracy:	Better than 4 sec. of an arc.

MOUNTING BRACKET

Weight:	4.6 kg (10.4 pounds)
Hydrostatic release:	Hammar H20
Material:	Stainless Steel AISI 316 (10Mbit)

RECORDING TIME

12 hours of RADAR, sensor and audio data

COMPLIANCE

Fully tested and compliant to IEC 60945 (exposed) including water drop from 20 meters.

Fully tested and compliant to IEC 61996-2 simplified capsule requirements including float free satellite for transmit capability for a minimum of 7 days and memory retention for a minimum of 7 years.

TECHNICAL STANDARDS

IEC 60945 (exposed)
IEC 61996-2 ("float-free")
IEC 61097-2 (EPIRB)

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

Aviation Recorders

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communications

Aviation Recorders

L-3. Headquartered in New York City, L-3 Communications employs over 64,000 people worldwide and is a prime contractor in aircraft modernization and maintenance, C³ISR (Command, Control, Communications, Intelligence, Surveillance and Reconnaissance) systems and government services. L-3 is also a leading provider of high technology products, subsystems and systems. The company reported 2007 sales of \$14 billion.

MAR036 Rev *A This technical data and software is considered as Technology Software Publicly Available (TSPA) as defined in Export Administration Regulations (EAR) Part 734.7-11.