

FLOAT FREE CAPSULE

The X-VDRFF-AMI is a Cospas-Sarsat and MED approved float free capsule which combines an Emergency Position Indicating Radio Beacon (EPIRB) and a 64GB float free storage medium to meet the MSC.333(90) and IEC 61996-1 Ed 2.0 VDR regulations.

The X-VDRFF-AMI Float Free Capsule has been designed in accordance with, and complies to the MSC 333(90), IEC61097-2 and IEC61992-1 Ed.2.0 performance standards.

From July 1st 2014 any new VDR system installed must store a minimum of 48 hours of voyage data. The X-VDRFF-AMI contains 64GB of storage capacity which will exceed the 48 hours of data required.

Designed with pleasing aesthetics, and more importantly ease of maintenance in mind, for the shipowner, ship's crew and engineers alike.

Durable construction, hard wired interface to help prevent any unwanted RF interference and a unique cable release technology for 100% reliable operation.



SPECIFICATIONS

	406MHz Transmitter
FREQUENCY	406.040 MHz \pm 1KHz
OUTPUT POWER (CONDUCTED)	5W (Nominal)
MODULATION	Phase \pm 1.1 Radians Pk (16K0G1D)
ENCODING	Biphase L
RATE	400 bps
	121.5MHz Transmitter
FREQUENCY	121.5 MHz
OUTPUT POWER (PERP)	40mW \pm 2dB
MODULATION	Swept Tone AM (3K20A3X)
MODULATION DEPTH	~97%
FREQUENCY STABILITY	\pm 50ppm
DUTY CYCLE	~35%
	Low Duty Cycle Strobe
LIGHT TYPE	Dual High Intensity LED
FLASH RATE	20-30 per minute
	Battery
TYPE	Lithium Manganese Dioxide (LiMnO ₂)
OPERATING	>168Hours @ -20°C
BATTERY REPLACEMENT PERIOD	8years
	GPS Receiver
SATELLITES TRACKED	66 Channel
SENSITIVITY	-148dBm
COLD START RE-ACQUISITION	-163dBm
GPS ANTENNA	Microstrip Patch
	General
ENCLOSURE	280 x 190 x 140mm 1.1kg
	Environmental
IEC60945 CATEGORY	Portable
OPERATING TEMPERATURE	Class 2 -20C to +55C
STORAGE TEMPERATURE	Class 2 -30C to +70C
WATERPROOF	10m depth
	Approvals
COSPAS SARSAT STANDARDS	T.001, T.007
TEST STANDARDS	IEC61097-2