

SMARTFIND S10 AIS-BEACON SPECIFICATIONS	
STANDARDS APPLIED	IEC 61097-14, 60945 (environmental/EMC), 61108 parts 1,2 & 4, ITU-R M.1371
ENVIRONMENTAL	buoyant
Exterior finish	Hi impact ABS/PC Translucent opal
Sealing depth	Immersion to 60m (196 ft)
Operating temperature	-20°C to +55°C (-4°F to +131°F)
Storage temperature	-30°C to +70°C (-22°F to +158°F)
BATTERY	
Type	6V Lithium Metal
Replacement	By service centre
Use	Logged by microcontroller
OPERATION	
Activation	Manual two stage
Self test (short)	Battery use indication
GPS Self test (long)	SART TEST transmission with GPS position
TRANSPORTATION	
Air cargo	UN 3091, not restricted
Classification	Non-hazardous
ELECTRICAL AIS Transmitter	
Frequency	AIS channel 1- 161.975 MHz, AIS channel 2 – 162.025 MHz
Power	2W nominal
Transmit antenna	Integrated PCB
AIS messages transmitted	Message 1 (UID, GPS position, SOG,COG,UTC) Message 14 (SART-ACTIVE or SART TEST)
Unique ID number	Factory programmed
GPS receiver	
GPS type	50 channel
Antenna type	Ceramic patch
GPS position update	Every minute
PHYSICAL	
Length	195mm (9.7")
Diameter at widest point	44mm (1.7")
Weight	150g (5.29 oz)
Deployment	
Hands free	Head band option

Hand held	Wrist lanyard included
Security	lanyard fixing point
FUNCTIONAL	
First transmission	After 10 seconds (no GPS)
Range	4 nautical miles (typical)
Secondary location device and status indicator	Flashing white LED
PART NUMBER	
Smartfind S10 AIS Beacon retail pack	98-051-001A
Head Band option	T.B.A.
Diver net bag option	T.B.A.
Padded belt bag option	T.B.A.