

# Smartfind S20

## Personal AIS Beacon

The revolutionary new Smartfind S20, the result of the improvement and miniaturisation of AIS (Automatic Identification System) SART technology, is a personal AIS device, designed to assist in survivor recovery. It is lightweight and compact and intended to be carried by all crew members.

- Provides accurate position information to assist fast recovery of individuals in difficulty at sea
- Transmits GPS target tracking information over AIS
- Compatible with plotters and onboard navigation systems† to assist fast location and retrieval
- Compact and 120g, designed for lifejacket use
- Special TX ID transmitted every minute
- Flashing LED and buzzer
- Minimum 24 hour continuous operation
- 7 year battery life
- First transmission typically after 15 seconds
- Waterproof

† For use with AIS enabled plotters, contact your plotter manufacturer for further info.

### Smartfind S20 SPECIFICATIONS

<b>ENVIRONMENTAL</b>		AIS messages transmitted		Message 1 (UID, GPS position, SOG, COG, UTC) Message 14 (MOB ACTIVE or MOB TEST) Factory programmed	
Exterior finish	Hi impact ABS/PC Orange	ID number		GPS receiver	
Sealing depth	Immersion to 5m (16.4ft)	GPS type		50 channel	
Operating temperature	-20°C to +55°C (-4°F to +131°F)	Antenna type		Ceramic patch	
Storage temperature	-30°C to +70°C (-22°F to +158°F)	GPS position update		Every minute	
<b>BATTERY</b>		<b>PHYSICAL</b>			
Type	6V Lithium Metal	Size (D x W x L)		27 x 47 x 124mm (1.1" x 1.6" x 4.7")	
Replacement	By service centre	Weight		120g (4.23 oz)	
Use	Logged by microcontroller	<b>Deployment</b>		Webbing clip	
<b>OPERATION</b>		Hands free		Security lanyard	
Activation	Manual two stage	<b>FUNCTIONAL</b>			
Self test (short)	Battery use indication	First transmission		After 10 seconds (no GPS)	
GPS Self test (long)	MOB TEST transmission with GPS position	Range		4 nautical miles (typical)	
<b>TRANSPORTATION</b>		Secondary location device and status indicator		Flashing white LED	
Air cargo	IATA UN 3091, not restricted	<b>STANDARDS APPLIED</b>		(App. Parts of) IEC 61097-14, 60945 (environmental EMC), 61108 parts 1, ITU-R M.1371	
Classification	PI970 Section II	<b>PART NUMBER</b>		Smartfind S20 SRS retail pack	
<b>ELECTRICAL</b>					
AIS Transmitter	AIS channel 1-161.975 MHz, AIS channel 2-162.025 MHz				
Frequency	2W nominal Sprung whip				
Power					
Transmit antenna					

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