



# sMRT AU10-HTS

## MAN-OVERBOARD (MOB) LOCATING DEVICE ↓



The flight approved AU10-HTS is an ATEX Zone 2 certified man-overboard locating device which automatically alerts on 121.5MHz within 2-5 seconds and will track casualties to within 10 m.

With GPS position updated every minute via AIS, every nearby vessel becomes an instant SAR asset. The added AIS technology increases how many MOB casualties can be tracked and is 10 x more accurate than its predecessor, the AU9-HT.

## FEATURES

- ACTIVATES AUTOMATICALLY ON IMMERSION IN WATER OR MANUALLY
- ALERTS VIA TRADITIONAL 121.5MHZ
- INDICATES GPS POSITION IN LESS THAN 45 SECONDS
- UPDATES GPS POSITION VIA AIS EVERY MINUTE
- INDIVIDUAL MMSI IDENTIFICATION
- FLIGHT APPROVED
- MULTIPLE TARGETS CAN BE TRACKED SIMULTANEOUSLY
- UP TO 75 MILE RANGE WITH WORLDWIDE COVERAGE
- BUILT-IN FLASHING LIGHT ENHANCES VISUAL DETECTION
- FUNCTIONALITY TEST WITH AUDIBLE BEEPING
- ATEX ZONE 2 APPROVED - ADDING A FURTHER SAFETY MEASURE FOR PASSENGERS TRANSFERRING TO OFFSHORE OIL AND GAS PLATFORMS
- DETACHABLE ANTENNA



Fully compatible with the Survitec MK50 and Halo lifejackets.

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### Physical

TECHNICAL DATA	
Dimensions (Case)	80 x 95 x 35 mm
Weight	250 g
Antenna Visible Length	Approx 535 mm for life jackets Approx 650 mm for harness

### Environmental

TECHNICAL DATA	
Environmental resistance	IP68
Operating temp	-20 °C to +55 °C
Storage temp	-45 °C to +70 °C
Operating humidity	To 95 % non-condensing
Shock	20G min
Vibration	EuroCAE ED-14F
Compass safe distance	30 cm (for <1° deflection)
Flammability rating	ED 14F 26.3.3 Category C:
Battery	6V Li-MnO2
Buoyancy Buoyant	(index=9%)
Transportation	Air cargo UN 3091- not hazardous

### Electrical

TECHNICAL DATA	
Air band frequencies	121.500 MHz, 121.650 MHz
Distress modulation	AM compliant to ITU-R M.690-2 (2012)
Air band power	100 mW ERP
Marine-band frequencies	161.975, 162.025 MHz (AIS1, AIS2)
Signaling type	AIS-MOB standards applied ETSI 303 098-1, RTCM STANDARD 11901.1
Marine-band power	1W EIRP nominal
VHF antenna	Centre-fed dipole, comprising coaxial cable and 1/8 coil whip
GPS antenna	Circular-polarized wide-angle bulb

### APPROVALS

EMC EN 301 489-22 V1.3.1, EN 301 489-1 V1.8.1  
Electrical safety EN 60950-1:2006  
Marine IEC 60945:2002  
Radio (121.5MHz) EN 300 152, EN 302 961  
Radio (AIS) EN 303 098, RTCM 11901.1:2012

### Ordering Information

PRODUCTS	
Product Number	Product Name
CHAU10PLB	AU10-HTS PLB

### Operational

TECHNICAL DATA	
Operating time	>12 hours continuous*
Standby battery life	>3 years
Permanently armed/ready	1 year with >12 hours continuous operation remaining
GPS position update	Every minute
GPS time to first lock	Typically <1 minute under normal operating conditions
Alert indication	Audible and visible SOS signaling
Activation	Water sensor or manual activation button
MMSI	Permanent factory programmed (972 prefix)



### GET IN TOUCH

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