

survitec

# CREWSAFE V200 SUBMARINE ESCAPE BEACON

Designed specifically for submarines



**Compact and easy to use following surface escape or abandonment.** The Crewsafe V200 transmits GPS coordinates via AIS, VHF DSC and VHF voice message to pinpoint the location of casualties, enabling every crew member who reaches the surface to be located and tracked by rescue forces.

## BENEFITS:

- ✓ Integrates with submarine escape equipment
- ✓ Depth rated to 300m
- ✓ Activates immediately upon reaching the surface
- ✓ Fully tested with SEIE
- ✓ Waterproof to an excess of 300m
- ✓ VHF DSC and voice alerts
- ✓ AIS transmissions
- ✓ 121.5 MHZ Transmissions
- ✓ GPS receiver

“ Updates position data regularly to allow tracking of casualties ”



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PROTECT LIVES

# CREWSAFE V200

## TECHNICAL DATA

### CREWSAFE V200

<b>Operating Time</b>	Nominal 48 hours emergency operation at -2.3°C (28°F) and longer in warmer conditions
<b>Battery Life at +20°C</b>	10 years shelf life (5 years operational life)
<b>Dimensions</b>	137 x 77 x 44 mm (5.39 x 3.03 x 1.73 in)
<b>Weight (includes antenna &amp; harness)</b>	457 grams/1.0075 Pounds
<b>Case</b>	Water resistant to 300 metres (983.6 ft) for 1 hour and impact resistant
<b>Strobe Light</b>	>180° at 5 candelas. Flash rate 1Hz.

### VHF DSC CHANNEL ALERTS:

<b>Initial DSC Alert</b>	Two minutes after activation from STANDBY to ON
<b>First DSC GPS Data Alert Sent</b>	Immediately after GPS lock is acquired
<b>Subsequent DSC Alerts</b>	Every five minutes for 30 minutes; every 10 minutes thereafter until the device is turned off or the batteries expire

### VHF VOICE CHANNEL ALERTS:

<b>Initial VHF Voice Alert</b>	Two minutes after activation from STANDBY to ON
<b>First VHF Voice GPS Data Alert Sent</b>	Immediately after GPS lock is acquired
<b>Subsequent VHF Voice Alerts</b>	Every five minutes for 30 minutes; every 10 minutes thereafter until the device is turned off or the batteries expire

### AIS TRANSMISSIONS

<b>Initial AIS Alert</b>	Two minutes after activation from STANDBY to ON
<b>First AIS GPS Data Alert Sent</b>	Within 1 minute of GPS lock acquisition
<b>Timing of transmissions</b>	Sent every minute after device commences transmissions

### 121.5 MHZ TRANSMISSIONS

<b>First transmissions sent</b>	Two minutes after activation from STANDBY to ON; continuously thereafter when in ON mode
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### GPS RECEIVER

<b>Channels</b>	50 channel parallel
<b>TTF (Time to First Fix)</b>	Less than 60 seconds
<b>Antenna</b>	Integrated solid state quadrafilar helix
<b>GPS Acquisition Sensitivity</b>	Cold start acquisition at -147dBm; Tracking and navigation to -160dBm
<b>GPS Antenna Directivity</b>	> -5dBi

## ORDERING INFORMATION

Code	Product Name	Part Number
1017048	Crewsafe V200	1017048