

# Search and Rescue Transmitter with Automatic Identification System : Pharus AIS-SART

## Will your ship pass the mandatory in-port Radio Survey inspection on time?

To ensure you can successfully pass the initial and annual renewal surveys mandated by the International Maritime Organization (IMO) for maritime vessels without delay, we stand by you with our AIS-SART product, which is designed according to the most current standard (Type Approval MED/4.55 Module B + D).

With our AIS-SART product, it is possible for your personnel and passengers to send a distress call, even in the most devastating maritime accident cases. Nearby maritime vessels, aircraft, and port radio stations are alerted with a distress call on the AIS channel and are informed about the location of the people awaiting rescue.

## Would you like to program your AIS-SART for free, anytime and anywhere, right from your mobile phone?

Unlike other products on the market, you don't need to waste time and money on AIS-SART programming—a service that can often only be done by the manufacturer or requires a costly adapter. Our AIS-SART can be programmed easily and for free using our licensed, NFC-based mobile application, which we have designed for Android and iOS smartphones.

## Smart AIS-SART that prevents unauthorized battery replacement

Battery replacements not performed by authorized dealers or manufacturer-approved services can cause AIS-SARTs to fail to operate as expected. Our AIS-SART, with its smart design solution integrated with the mobile application, can detect unauthorized battery replacement and lock itself. Our AIS-SART—which strives to prevent even the slightest human error with its smart design and is capable of operating reliably for many years— is at your service.

## Smart AIS-SART technology capable of detecting Jamming and GPS Spoofing

In maritime areas with heavy military operations, Jamming and GPS Spoofing are among the most common warfare techniques today. An AIS-SART providing false location data hinders search and rescue efforts. Our AIS-SART, with its smart GNSS Receiver system feature, is capable of detecting Jamming and Spoofing attacks. Our AIS-SART, which strives to provide resiliently accurate location data, guarantees that it will not provide false location data in the distress signal it transmits.



Frequency Channels	161,975 MHz and 162,025 MHz -AIS
Transmission Power	1 W (30 dBm EIRP) – AIS
Transmission Duration	96 hours
Gps Receiver?	Yes, multi-constellation receiver with anti-jamming and GPS spoofing detection features
AIS Feature?	Yes
Battery	LiFeS2 battery configuration
Battery Lifecycle	10 - years
Temperature	Operation: -20 to 55 °C Storage: -55 to 85 °C
Weight	500g
Dimensions	22x8.4 cm