

# Seatrack 222B



KONGSBERG



## The professional GNSS tracking solution

The Seatrack 222B represents the state-of-the-art in relative GNSS tracking systems combined with over 20 years of operational experience in extreme maritime environments. Utilizing the latest in GNSS technology, the Seatrack 222B transponder is tailored to applications demanding a high-end solution in reliability and accuracy. The Seatrack 222B has an internal battery for operation up to 48 hours while transmitting data over UHF radio.

## Technical specifications

### Performance

Accuracy	<10 cm
Update rate	Up to 1 Hz

### GNSS

GPS L1/L2  
GLONASS L1/L2  
C/A code and carrier phase  
Multipath mitigation

### Radio

UHF	
Frequency	450 - 470 MHz
Channel separation	12.5 kHz
Transmission power	0.5 W
Typical range	15 km (line-of-sight)

### I/O

UHF radio  
RS-232  
Different connector options available.

### Weight and dimensions

Diameter	150 mm
Height	810 mm
Weight	6 kg

### Power specifications - battery operated

Battery type	Li-ion
Capacity	3 × 98 Wh
Mean power consumption	4 W
Operating time	48 hours (from fully charged)
Charging time	12 hours (from 10%)

### Environmental specifications

Operating temperature	-10 °C - +55 °C
Storage temperature	-30 °C - +70 °C
Enclosure protection	IP68, 10 m

### Standards and regulations

<b>Electromagnetic compatibility</b>	
Compliance to EMC, immunity/emission	IEC 60945/EN 60945

### Product safety

Compliance to LVD, standard used	IEC 61010-1/EN61010-1
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Specifications subject to change without any further notice.