

Seatrack 322



KONGSBERG



The professional GNSS tracking solution

The SeaTrack 322 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 322 transponder is tailored to applications demanding a high-end solution in reliability and accuracy using both GPS and GLONASS L1 & L2 bands. The SeaTrack 322 transmits data through serial interface or 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	640 mm
Weight	4.4 kg

Power specifications

Supply voltage	10 - 36 VDC
Mean power consumption	4 W

Environmental specifications

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

Standards and regulations

Electromagnetic compatibility

Compliance to EMC, immunity/emission	IEC 60945/EN 60945
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Product safety

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