

# Triaxial satellite compass CH-5712

## Definition of navigation Parameters:

- azimuth
- roll
- diferent
- vector of speed
- coordinates
- 1PPS UTC signal

## Completeness

Block of inertial sensors



Antennas B105



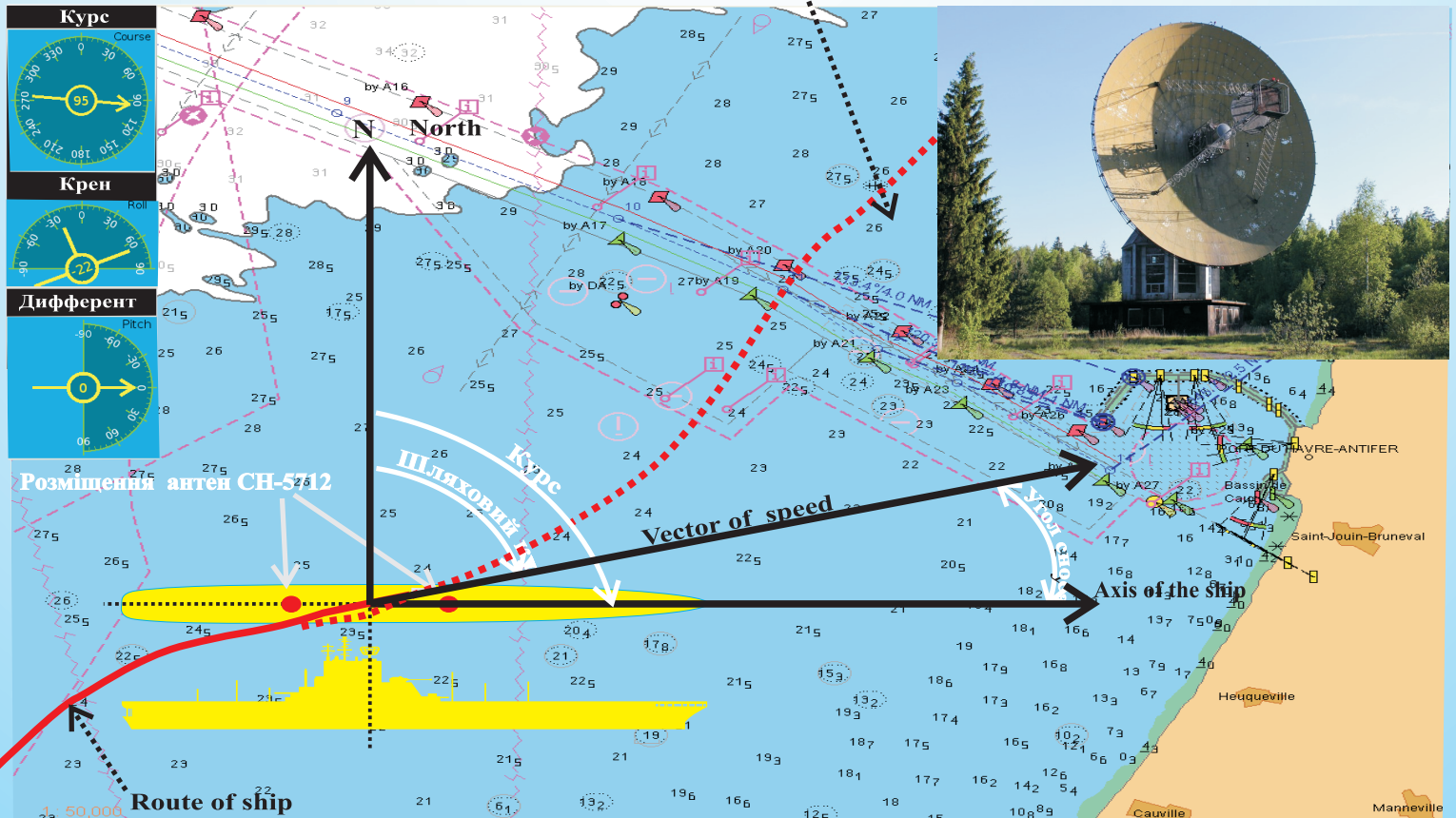
Compass



## Functions CH-5712



## Traffic route





# Triaxial satellite compass CH-5712

## Specification

Navigation systems	GPS L1, C/A code, GLONASS L1, CT code
Integrated operation with inertial sensors	
Time to FIX:	
- coordinates, altitude and speed, no more, s	30
- azimuth, roll, different, minute	5
Tempo of FIX, Hz	1, 2, 5 or 10
Errors (RMS):	
- coordinates, m	5
- time, ns	45
- azimuth*, degree	0,1
- roll, different*, degree	0,2
Electric interface	RS-232
Supply voltage, V	10 — 30
Power supply, no more, W	4

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\* At a distance between antennas not less than 3 meters

### Compass

Operation temperature, °C	from -30 to +55
Ingress Protection Rating	IP65
Mass, no more, kg	0,6
Dimensions, mm	193 x 108 x 59

**Block of inertial sensors** has a three-axial accelerometer and three-axial angular velocity sensor and allows you to maintain orientation angles in the absence of satellite signals.

Interface	CAN, RS-232
Ingress Protection Rating	IP67
Supply voltage (from compass), V	10 - 30
Dimensions, mm	62 x 56 x 18,5
Mass, no more, g	300

### Antenna B105

Operation frequency, MHz	from 1570 to 1606
Ingress Protection Rating	IP67
Operation temperature, °C	from -40 to +70
Mass, no more, g	150
Dimensions, mm	∅ 63 x 20