

NF7000A: HIGH PRECISION FOG NORTH SEEKER SENSOR FOR SHIP



■ PRODUCT DESCRIPTION

NF7000-A series is the north finder which is used for ship borne orientation and there is no external reference input, making the environment very complex. The satellite (GPS or Beidou) north finder is not suitable for this situation. And shipborne navigation requires precise navigation in three-dimensional space. When sailing at sea, the ship is affected by various factors such as wind, waves, and ocean currents, and faces multidimensional movements including roll, pitch, and yaw, resulting in significant sway and angular motion of the hull.

■ PRODUCT MAIN SPECIFICATION

No.	Parameter	NF7000-A
1	External dimensions	248 × 248 × 180mm (customizable)
2	Weight	15Kg
3	Power Supply	AC220V, 50Hz/AC110V, 60Hz/DC18V~36V (choose one from three)
4	Power waste	≤50W
5	Start time	3min
6	Working latitude	-70°~+70°
7	North search time	3min
8	Roll and pitch accuracy	0.1°
9	Range of heading angle measurement	0°~360°
10	Range of roll and pitch angle measurement	-30°~+30°
11	Display mode	LCD display screen, capable of providing attitude angle information
12	Output method	RS422 (customizable)
13	Working temperature	-30°C ~ 75°C
14	Vibration environment	20Hz~2000Hz, 6.06g
15	Impact parameters	8ms~11ms, 30g
16	Data rate	Maximum 4Hz and varies between 1-4Hz

■ PRODUCT APPLICATION

– Maritime scenario for ship pure inertial navigation