Jinbo Marine

Marine & Offshore Equipment Datasheet

PRODUCT DATASHEET

LIFE-SAVING LIGHT

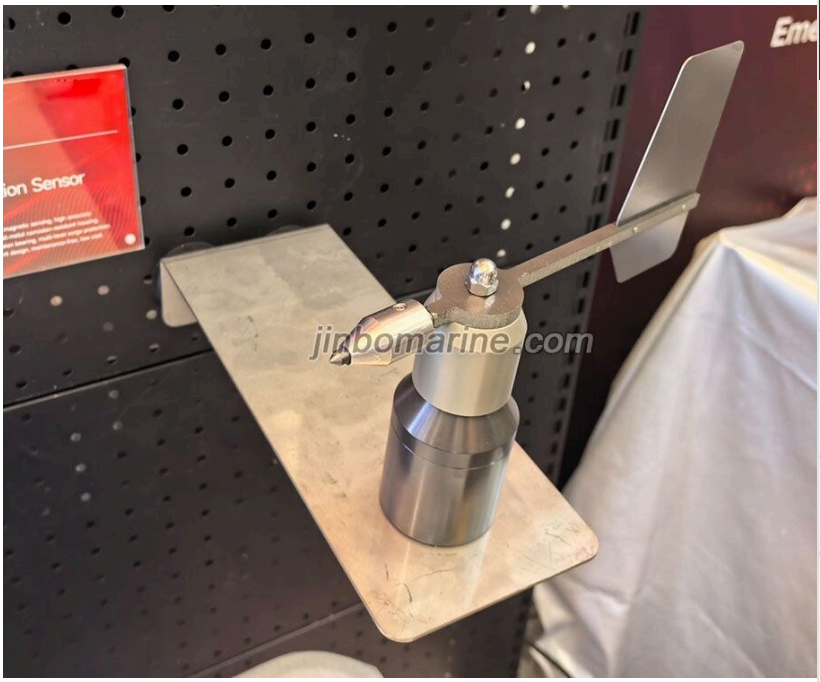
FA20-3D00SB7 Offshore Wind Vane

ISO9001 Supplier

Class Certificate

Export Supply

The FA20 series is a maintenance-free offshore wind direction sensor that utilizes special salt mist corrosion resistant bearings and aluminum alloy hard anodizing technology. This ensures accurate wind measurement in ha...



Key Highlights

Category	Life-Saving Light
Standard	ISO
Material	Product Features Non-contact magnetic measuring technology for high prec...
Weight / Size	Product Features Non-contact magnetic measuring technology for high prec...
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications

Category	Life-Saving Light	**Model / SKU**	FA20-3D00SB7-Offshore-Wind-Vane
Standard	ISO	**Material**	Product Features Non-contact magnetic measuring technology for high precision wind data and strong anti-interference Optimized direct-through and staggered labyrinth design for IP66 protection Metal housing ensures excellent corrosion resistance for harsh industrial environments Corrosion-resistant bearings suitable for C5-M marine conditions Fault-tolerant design provides protection against damage With lightning surge protection circuit Maintenance-free design reduces maintenance costs Electrical Operating voltage 12-30VDC Power consumption 1W @ 24VDC Signal output 4-20mA Measuring principle Noncontact magnetic scanning system Cable 6-core shielded cable with M16 circular connector(female) Wiring M16 circular connector(male) ESD IEC61000-4-2 Contact Discharge±8kV,Air Discharge±15kV Surge IEC61000-4-5 L-L ±4kV Senor Measuring range 0~360° Accuracy ±2° Resolution 0.35° Starting threshold 0.5m/s @ 20℃ Anti-wind leve l75m/s hold for 30 s Mechanical Housing color Metallic Housing material Aluminium alloy Wind vane material Aluminium alloy/SUS304 Surface finishing Hard anodizing Weight 0.4kg Mounting Threaded mount G3/4 Operating temperature -40˚C ~ +70˚C Storage temperature -40˚C ~ +80˚C Operating humidity 0~100%RH Vibration resistant rate IEC60068-2-6 2g IP rate IEC60529 IP66 Salt spray rate ISO9227 NSS 1440h

Weight / Size	Product Features Non-contact magnetic measuring technology for high precision wind data and strong anti-interference Optimized direct-through and staggered labyrinth design for IP66 protection Metal housing ensures excellent corrosion resistance for harsh industrial environments Corrosion-resistant bearings suitable for C5-M marine conditions Fault-tolerant design provides protection against damage With lightning surge protection circuit Maintenance-free design reduces maintenance costs Electrical Operating voltage 12-30VDC Power consumption 1W @ 24VDC Signal output 4-20mA Measuring principle Noncontact magnetic scanning system Cable 6-core shielded cable with M16 circular connector(female) Wiring M16 circular connector(male) ESD IEC61000-4-2 Contact Discharge±8kV,Air Discharge±15kV Surge IEC61000-4-5 L-L ±4kV Senor Measuring range 0~360° Accuracy ±2° Resolution 0.35° Starting threshold 0.5m/s @ 20℃ Anti-wind leve l75m/s hold for 30 s Mechanical Housing color Metallic Housing material Aluminium alloy Wind vane material Aluminium alloy/SUS304 Surface finishing Hard anodizing Weight 0.4kg Mounting Threaded mount G3/4 Operating temperature -40˚C ~ +70˚C Storage temperature -40˚C ~ +80˚C Operating humidity 0~100%RH Vibration resistant rate IEC60068-2-6 2g IP rate IEC60529 IP66 Salt spray rate ISO9227 NSS 1440h	**Surface**	Product Features Non-contact magnetic measuring technology for high precision wind data and strong anti-interference Optimized direct-through and staggered labyrinth design for IP66 protection Metal housing ensures excellent corrosion resistance for harsh industrial environments Corrosion-resistant bearings suitable for C5-M marine conditions Fault-tolerant design provides protection against damage With lightning surge protection circuit Maintenance-free design reduces maintenance costs Electrical Operating voltage 12-30VDC Power consumption 1W @ 24VDC Signal output 4-20mA Measuring principle Noncontact magnetic scanning system Cable 6-core shielded cable with M16 circular connector(female) Wiring M16 circular connector(male) ESD IEC61000-4-2 Contact Discharge±8kV,Air Discharge±15kV Surge IEC61000-4-5 L-L ±4kV Senor Measuring range 0~360° Accuracy ±2° Resolution 0.35° Starting threshold 0.5m/s @ 20℃ Anti-wind leve l75m/s hold for 30 s Mechanical Housing color Metallic Housing material Aluminium alloy Wind vane material Aluminium alloy/SUS304 Surface finishing Hard anodizing Weight 0.4kg Mounting Threaded mount G3/4 Operating temperature -40˚C ~ +70˚C Storage temperature -40˚C ~ +80˚C Operating humidity 0~100%RH Vibration resistant rate IEC60068-2-6 2g IP rate IEC60529 IP66 Salt spray rate ISO9227 NSS 1440h
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS	**Warranty**	12 Months unless specified otherwise
Origin	China		

CONTENTS

China FA20-3D00SB7 Offshore Wind Vane:

The FA20 series is a maintenance-free offshore wind direction sensor that utilizes special salt mist corrosion resistant bearings and aluminum alloy hard anodizing technology. This ensures accurate wind measurement in harsh environments such as C5-M corrosion and sandstorms. It is characterized by high measurement accuracy, strong wind resistance, corrosion resistance,
and wear resistance. The design features optimized straight-through and staggered labyrinth structures,achieving non-contact sealing design and ensuring IP66 protection performance. It is suitable for industries such as wind power generation, railways, highways,meteorological monitoring for ships, and disaster prevention systems, providing reliable wind direction
measurement data.

Product Features

Non-contact magnetic measuring technology for high precision wind data and strong anti-interference

Optimized direct-through and staggered labyrinth design for IP66 protection

Metal housing ensures excellent corrosion resistance for harsh industrial environments
Corrosion-resistant bearings suitable for C5-M marine conditions
Fault-tolerant design provides protection against damage

With lightning surge protection circuit

Maintenance-free design reduces maintenance costs

Electrical

Operating voltage 12-30VDC
Power consumption 1W @ 24VDC
Signal output 4-20mA
Measuring principle Noncontact magnetic scanning system
Cable 6-core shielded cable with M16
circular connector(female)
Wiring M16 circular connector(male)
ESD IEC61000-4-2
Contact Discharge±8kV,Air Discharge±15kV
Surge IEC61000-4-5 L-L ±4kV

Senor

Measuring range 0~360°
Accuracy ±2°
Resolution 0.35°
Starting threshold 0.5m/s @ 20℃
Anti-wind leve l75m/s hold for 30 s

Mechanical

Housing color Metallic

Housing material Aluminium alloy
Wind vane material Aluminium alloy/SUS304
Surface finishing Hard anodizing
Weight 0.4kg
Mounting Threaded mount G3/4
Operating temperature -40˚C ~ +70˚C
Storage temperature -40˚C ~ +80˚C
Operating humidity 0~100%RH
Vibration resistant rate IEC60068-2-6 2g
IP rate IEC60529 IP66
Salt spray rate ISO9227 NSS 1440h