

LIFE-SAVING LIGHT

FA19-3D50SB7 Offshore Anemometer

The FA19 series is a maintenance-free offshore wind speed sensor that utilizes special salt mist corrosion resistant bearings and aluminum alloy hard anodizing technology. This ensures accurate wind measurement in ...

ISO9001 Supplier

Class Certificate

Export Supply

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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	FA19-3D50SB7-Offshore-Anemometer
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 designfor 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 Sensor Measuring range 0-50m/s Accuracy ±0.5m/s @ V≤15m/s ±3% @ V>15m/s Resolution 0.1m/s Starting threshold 0.5m/s @ 20°C Anti-wind level 75m/s hold for 30s Mechanical Housing color Metallic Housing material Aluminium alloy Wind cup material Aluminium alloy 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

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Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS	Warranty	12 Months unless specified otherwise
Origin	China		

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China FA19-3D50SB7 Offshore Anemometer:

The FA19 series is a maintenance-free offshore wind speed 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

offshore corrosion and sandstorms. It is characterized by high measurement accuracy, strong wind resistance, corrosion resistance, and wear resistance. The design features optimized cavity aspect ratios and depth-to-height ratios of

multiple straight-through labyrinths, combined with staggered labyrinths, to achieve non-contact sealing and IP66 protection

performance. The product can be used in industries such as wind power generation, railways, highways, meteorological monitoring for ships, and disaster prevention systems, providing reliable wind speed 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 $\pm 8\text{kV}$, Air Discharge $\pm 15\text{kV}$

Surge IEC61000-4-5 L-L $\pm 4\text{kV}$

Senor

Measuring range 0-50m/s

Accuracy $\pm 0.5\text{m/s}$ @ $V \leq 15\text{m/s}$

$\pm 3\%$ @ $V > 15\text{m/s}$

Resolution 0.1m/s

Starting threshold 0.5m/s @ 20°C

Anti-wind level 75m/s hold for 30s

Mechanical

Housing color Metallic

Housing material Aluminium alloy

Wind cup material Aluminium alloy

Surface finishing Hard anodizing

Weight 0.4kg

Mounting Threaded mount G3/4

Operating temperature $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$

Storage temperature $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$

Operating humidity 0~100%RH

Vibration resistant rate IEC60068-2-6 2g

IP rate IEC60529 IP66

Salt spray rate ISO9227 NSS 1440h