

FAP4-340SG3 Pendulum Wind Speed Sensor 1000565_002

Product Description

The FAP4 wind speed sensor is a wind measuring equipment specially developed for crawler cranes, bridge inspection vehicles and other large lifting and cantilever mobile rotating machinery. The product adopts a pendulum counterweight design, which can swing at will within $\pm 90^{\circ}$ and stabilize in the vertical direction to achieve real-time horizontal wind speed measurement.

Product Features

- Adopt non-contact magnetic measuring technology with high accuracy and reliability
- Special design for gravity machinery, strong load capacity with a counterweight module
- Wide measurement range of wind speeds and a low startup speed
- Built with a corrosion-resistant metal housing for durability and wind resistance
- Anodized aluminum wind cups for harsh environments
- · Compact design and easy spot installation
- Fault-tolerant design provides protection against damage
- · Adopt lightning surge protection circuit
- Operate over a wide voltage range





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Electrical	
Operating voltage	12-36VDC
Power consumption	1.8W
Signal output	4-20mA
Measuring principle	Noncontact magnetic scanning system
Cable	3-core shielded cable with M12 circular connector(female)
Wiring	M12 circular connector(male)
ESD	IEC61000-4-2
Surge	Contact Discharge±8kV,Air Discharge±15kV IEC61000-4-5
	L-L ±6kV

	Mechanical	
	Housing color	Metallic
	Housing material	Aluminium alloy/SUS304
	Wind cup material	Aluminium alloy
	Surface finishing	Anodizing
	Weight	1kg
	Mounting	Wall mount
	Operating temperature	-40°C ~ +70°C
	Storage temperature	-40°C ~ +85°C
	Operating humidity	0~100%RH
	Vibration resistant rate	IEC60068-2-6 2g
	IP rate	IEC60529 IP65
	Salt spray rate	ISO9227 NSS 720h

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Senor	
Measuring range	0-40m/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	70m/s hold for 30s