

FAP4-350SG3 Pendulum Wind Speed Sensor 1000565_003

Product Description

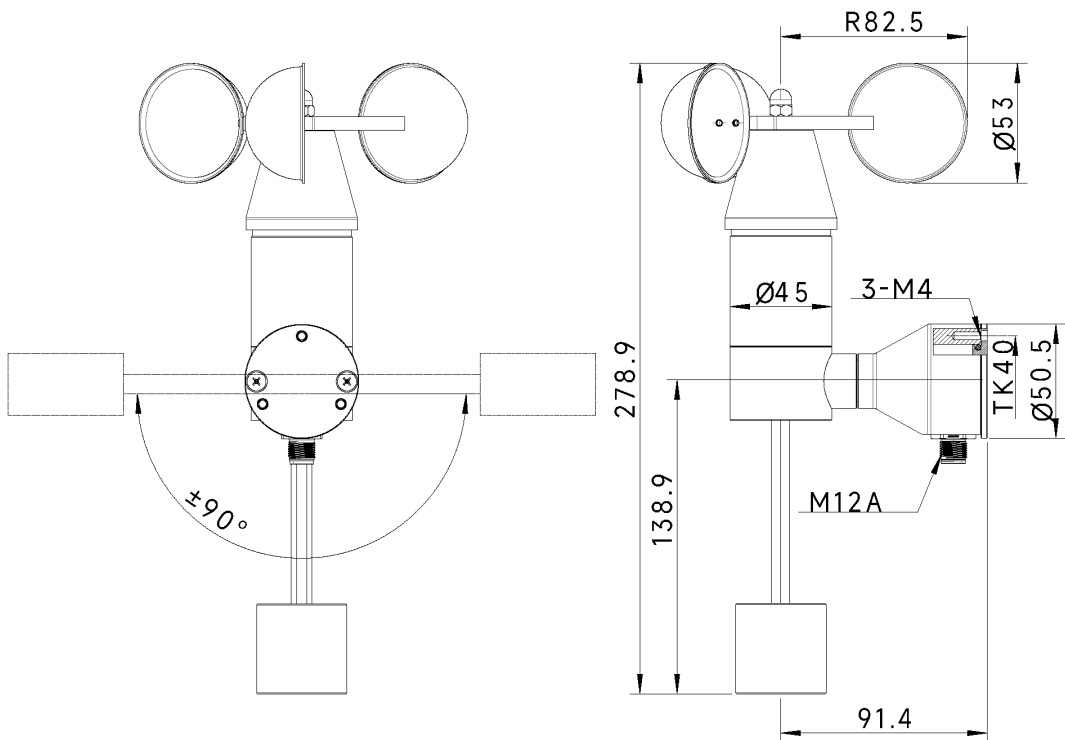
The FAP4 wind speed sensor is a wind measuring equipment specially developed for crawler cranes, bridge inspection vehicles and other large lifting and cantilever mobile rotating machinery. The product adopts a pendulum counterweight design, which can swing at will within $\pm 90^\circ$ and stabilize 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 start-up 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



CE	IP65	70°C -40°C	DC
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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 Contact Discharge ± 8 kV,Air Discharge ± 15 kV
Surge	IEC61000-4-5 L-L ± 6 kV

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

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	70m/s hold for 30s