FST200-206 Duct Type Wind Speed Sensor

Product description

The pipe-type wind speed transmitter uses a hot film detection chip and is based on the JUTRADAT heat dissipation principle. Compared with the traditional vane-type wind speed sensor, it can achieve better low-pressure section repeatability, faster and more accurate micro-air volume measurement and accuracy, and a wide range ratio. , the detection data is accurately calibrated across the full range through the internal microcontroller. Linear compensation and temperature compensation are both realized digitally, so the accuracy and resolution are high; there is no zero point drift, and the long-term stability is excellent, making it more cost-effective and easier to use. convenient.

The wind speed sensor housing is made of high-temperature corrosion-resistant material and requires very little air. Even in harsh environments, the performance is stable and reliable. The pipeline wind speed transmitter is suitable for gas measurement with a temperature within 85°C. It can withstand instantaneous high wind speeds and has functions such as real-time display and alarm prompts to facilitate users to monitor and control pipeline wind speed.

Features

- The appearance structure design is reasonable and beautiful.
- Strong anti-corrosion and weather resistance.
- Strong ability to resist external interference and high measurement accuracy.
- Low power consumption and long circuit life.
- Wide power supply adaptability range.
- Full range calibration.

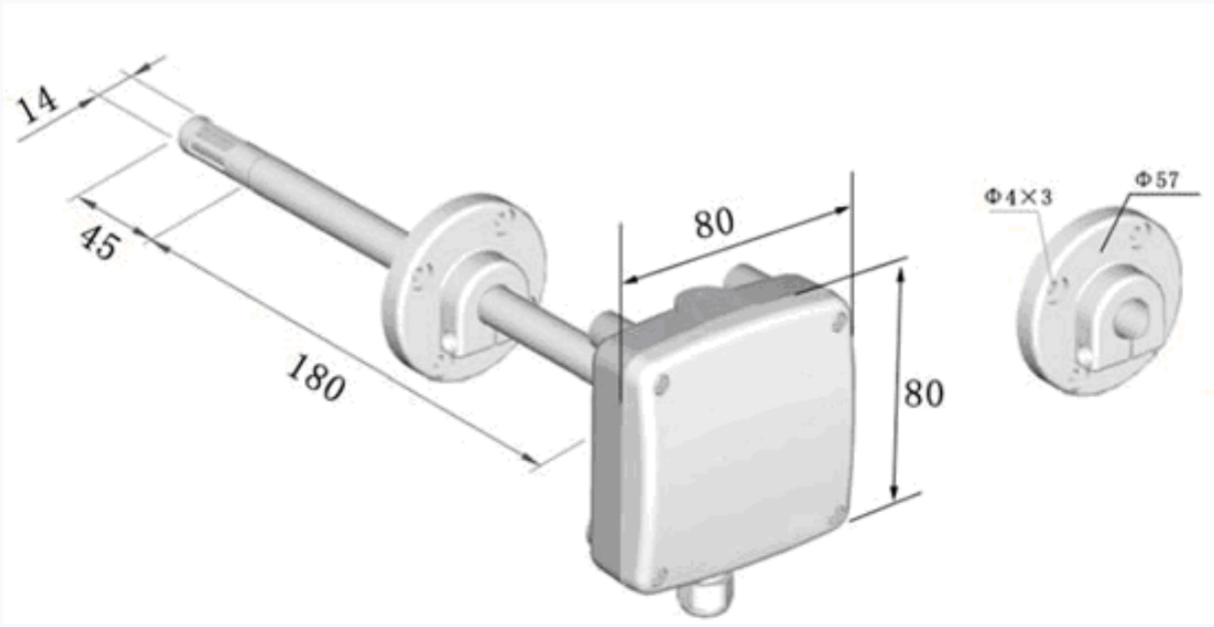
Applicable scene

- HVAC.
- Power plant flue gas treatment.
- Textile, chemical industry.
- Duct air flow.
- Variable air volume system.
- Operating rooms, clean rooms, biological laboratories, electronics, medical environments.

Performance

Working voltage	12-24VDC
Starting wind speed	⩾0.1m/s
Accuracy	(±0.2+2%FS)m/s
Working temperature	-10°C~+50°C
Working humidity	0%~95% (non-condensing)
Measurement range	0～10m/s, 0～20m/s, 0～30m/s (set by software)
Display resolution (OLED)	128*64
Average power consumption	<1W
Measurement resolution	0.01m/s
Output signal	4~20mA, 0~5VDC, 0~10VDC, RS485 (Modbus)

Dimensions



Selection guide

Selection example: FST200-206111-50M
① ② ③④⑤ ⑥ ⑦

① Product series model ② Product model code ③ Output/power supply number ④ Electrical connection code
⑤ Extended function code ⑥ Units of measurement

FST200-	Company code + product series code							
	206-	Product model code						
		1-	4-20mA 24VDC					Output/power
		2-	0-5VDC 24VDC					
		3-	0-10VDC 24VDC					
		4-	5V pulse 12-30VDC					
		5-	5V pulse output 5VDC					
		6-	RS485 output 24VDC					
		7-	CAN BUS					
		8-	Wireless (4G CAT1)					
		X-	Others					
			1-	M12 connector				Electrical connections
			2-	Direct lead				
			3-	Aviation plug				
			4-	LED direct outlet				
			X-	Others				
				1-	Standard type			Extended function module
				2-	Heating type			
					1-	±3%FS		Accuracy
					2-	±0.5m/s(<5m/s);±3%FS(≥5m/s)		
					3-	16 directions ±3°		
					4-	±2.5°		
					5-	8 wind directions ±3°		
					6-	±3%FS,16 wind directions ±3°		
					7-	±0.3m/s or ±3% (0~30m/s) or ±5% (30~70m/s) whichever is greater/±2°		
					8-	±(0.2+3%FS)m/s		
					9-	±3%FS,±2°		
					X-	Others		
						M-	Wind speed: m/s	Measuring range
						D-	Wind direction: angle (Degree)	
						MD-	Wind speed and direction integrated	