

KFS100 Air Velocity Transmitter

Introduction

The KFS100 air velocity transmitter is based on the thermal membrane principle, utilizing high-quality thermal membrane sensors manufactured with MEMS technology. It features high measurement accuracy, a wide measurement range, good stability, and strong environmental adaptability. It is an ideal choice for wind speed measurement in HVAC systems, pipeline air volume measurement, cleanroom ventilation, laminar flow monitoring, and other process and environmental control applications.



Feature

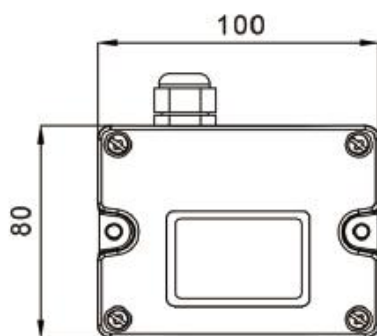
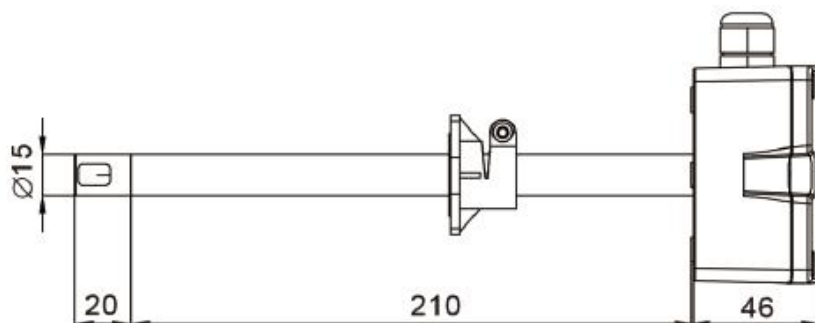
- Uses imported high-precision MEMS sensors, offering excellent long-term stability and anti-interference capability
- Power supply and output have overvoltage and reverse connection protection
- Optional isolated RS485 output
- Strong anti-pollution ability, easy to install and maintain

Parameter

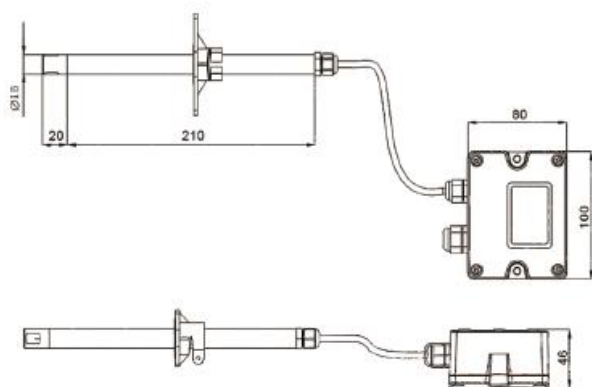
Power Supply	24VAC/DC±20%
Range	0-10m/s, 0-15m/s, 0-20m/s, 0-30m/s
Accuracy	±(0.2m/s+3%of mv)(20℃, 45%RH and 1013hPa)
Resolution	0.01m/s
Output	RS485/Modbus, 0-10 VDC / 4-20 mA (3-wire system)
Output Load	≤500Ω (current output), ≥2KΩ (voltage output)
Working Temperature	-10℃ to +60℃
Storage Temperature	-20℃ to +80℃
Probe Length	210 mm (optional)
Display	Optional LCD display, with unit display and backlight
Protection Rating	Enclosure: IP65, Probe: IP20
Enclosure Material	Enclosure: PC, Probe: PA6
Electromagnetic Compatibility	EN61326-1
Certifications	ROHS certification, EU CE certification

Note: The analog output version allows range selection via jumper.

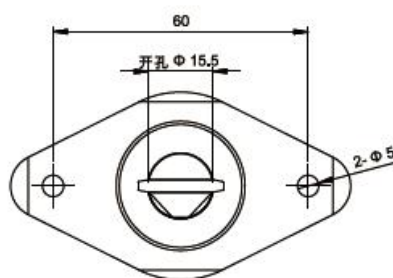
Dimension (mm)



Duct type



Split-type



Flange

Order Information

KFS100	air velocity transmitter			
	Code	Signal output		
	VI	0-10VDC/4-20mA		
	RS	RS485/Modbus		
		Code	Installation	
		1	Duct type	
		2	Split-type	
			Code	Display
			D	With
			N	Without
KFS100	RS	1	D	