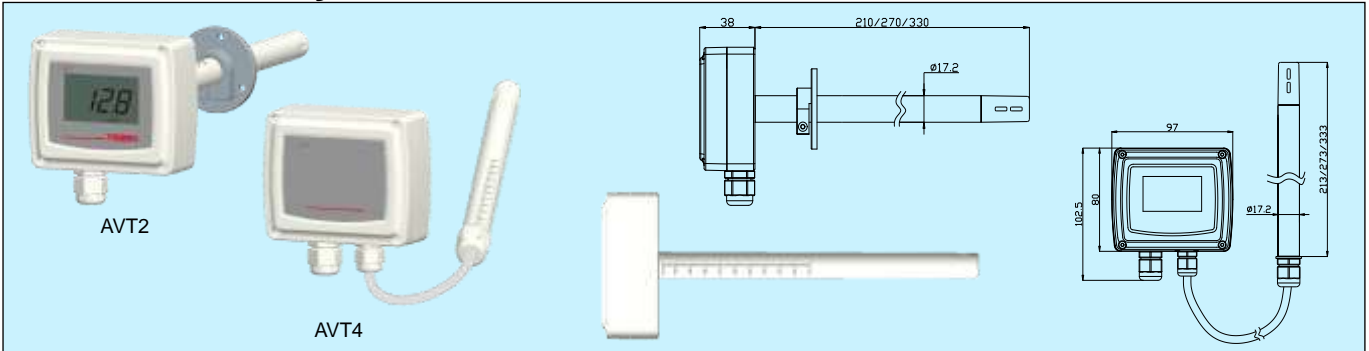


AVT Air Velocity Transmitter



Applications & Features

- It is designed for air velocity monitoring and controlling in the ventilation system and reducing energy consumption in BMS and various HVAC application. It is applied for single point air velocity measurement. AVT2 is for duct mount, AVT4 is for remote installation
- Based on thermal anemometer principle, use innovative and sensitive hot-film sensor, which is insensitive to dust and dirt, easy to install and maintain
- No moving parts, provide accurate, reliable, sensitive and long-term measurement, with good temp. compensation
- Digital technology applied to ensure output accuracy
- Over voltage and reverse polarity protection with high reliability and anti-interference capacity
- Multiple outputs, ranges and optional LCD display
- Innovative probe design with various lengths available with scales on

Specifications

Air velocity sensor: Hot-film sensor

Range: 0~5/10/15/20m/s or 0~16/32/48/64ft/s, jumper selectable

Accuracy: m/s: $\pm(0.2\text{m/s}+5\% \text{ reading})$ or $\pm(0.2\text{m/s}+3\% \text{ reading})$
 @0.5~20m/s; ft/s: $\pm(0.65\text{ft/s}+5\% \text{ reading})$ or $\pm(0.65\text{ft/s}+3\% \text{ reading})$ @ 1.6~64ft/s 25°C, 55%RH, 1013hPa

Response time: typical 2s

Angle dependence: $< 3\% \text{ reading} @ |\Delta\alpha| < 10^\circ$

Temperature compensation: 10~40°C

Temp. output(option): range 0~50°C, accuracy $< \pm 0.5^\circ\text{C} @ 25^\circ\text{C}$

Output: 4~20mA(3 wires), 0~10/0~5VDC, RS485/Modbus

Output Load: $\leq 500\Omega$ (current), $\geq 2\text{k}\Omega$ (voltage)

Display: LCD, with unit m/s or ft/s, DIP switch selectable

Power: 16~28VAC/16~35VDC

Working Environment: -20~70°C, 0~95%RH(Non cond.)

Housing: fire retardant PC (UL94 V-0)

Protection: IP65

Weight: 440g

Approval: CE

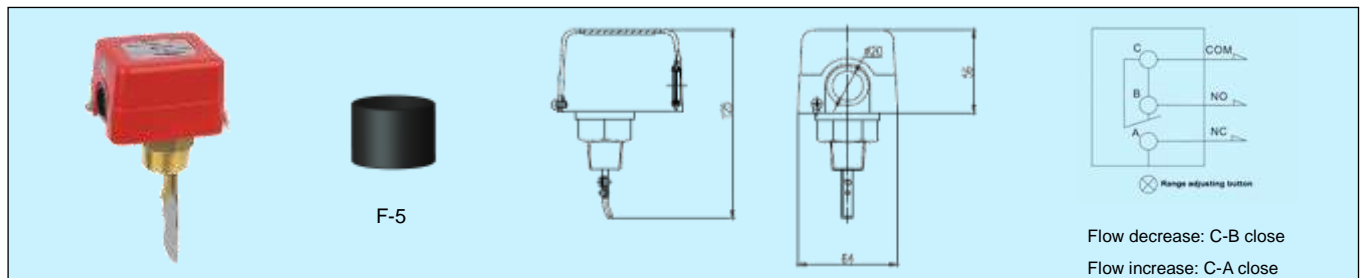
Models

Model	AVT2	AVT4			Duct mount air velocity transmitter Remote mount air velocity transmitter
Accuracy		3 5			$\pm(0.2\text{m/s}+3\% \text{ reading})$ $\pm(0.2\text{m/s}+5\% \text{ reading})$
Output		1 8			4~20mA/0~10V/0~5VDC RS485/Modbus
LCD Display			0 1		N/A LCD
Probe Length				1 2 3	210 mm 270 mm 330 mm

1. All products are factory set to 4-20mA as output default, and can be set to 0-10V or 0-5V by DIP switch.

2. When temperature output is needed, add suffix -T after the model number. And the output is the same as air velocity

WFS Water Flow Switch



Applications & Features

The paddle type WFS is designed to control the flow rate of water, chilled water, cooling water or other liquid system

Specifications

Contact: SPDT, 10A/250VAC

Medium connection: Brass, 1" NPT

Electrical connection: Screw terminals

Materials: body: steel; cover: ABS; **paddle:** stainless steel

Contact cycle: 500K

Environment temp.: 5~50°C

Medium temp.: 5~100°C

Working pressure: 1.0Mpa

Max pressure: 1.6Mpa

Weight: 0.5Kg

Accessory: Model F-5, carbon steel, should be ordered separately. When ordered along with the WFS, it is packed in the same package.

Paddles Selection

ITEM	Range liter/min	D Band liter/min	Pipe		Paddle number
			in	mm	
1	16~32	6	1	25	1
2	22~50	8	1.25	32	2
3	30~72	9	1.5	40	2
4	55~110	15	2	50	2
5	70~130	20	2.5	65	3
6	105~200	30	3	80	3
7	250~480	50	4	100	4
8	480~920	90	5	125	4
9	720~1420	120	6	150	5
10	1420~285	200	8	200	5