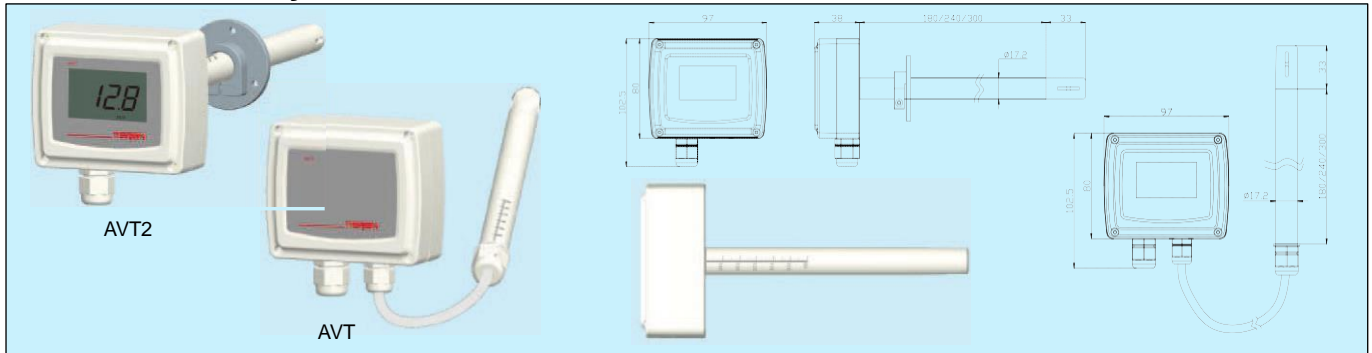


AVT Air Velocity Transmitter



Applications & Features

- It is designed for air velocity monitoring and controlling in the ventilation system and reducing energy consumption in BMS and various HVAC applications
- Used for continuous measurement of single-point air velocity. AVT2 is used for general duct installation, AVT4 is used 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 and optional LCD display
- Innovative probe structure design, various probe lengths available, with scales on
- DIP switch selectable ranges: 0~5/10/20/30 m/s

Models

Model	AVT2	AVT4				Duct mount air velocity transmitter Remote mount air velocity transmitter
Accuracy		3 5				±(0.2m/s+3% reading) ±(0.2m/s+5% reading)
Output			1 8			4~20mA/0~10V/0~5VDC RS485/Modbus
Temp. Output				0 1		N/A Temp. transmit output
LCD Display					0 1	N/A LCD
Probe Length					1 2 3	180mm 240mm 300mm

- All products are factory set to 4-20mA as output default, and can be set to 0-10V or 0-5V by DIP switch.
- When temperature output is selected, it is the same as air velocity output.

Specifications

Air velocity

Sensor: Hot-film sensor

Range: 0~5/10/20/30m/s, DIP switch selectable

Accuracy: ±(0.2m/s+5% reading) or ±(0.2m/s+3% reading);
@0.5~20m/s, 25°C, 55%RH, 1013hPa

Response time: 2 s

Angle dependence: < 3 %reading @ |Δα| < 10°

Temperature compensation: 10~40°C

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

Temperature

Sensor: Digital temperature sensor

Range: 0~50°C

Accuracy:
<±0.5°C@25°C

Response time: 10s

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

Output Load: ≤500Ω(current), ≥2kΩ(voltage)

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

Power: 18~28VAC/18~35VDC

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

Housing: fire retardant PC (UL94 V-0)

Protection: IP65

Approval: CE