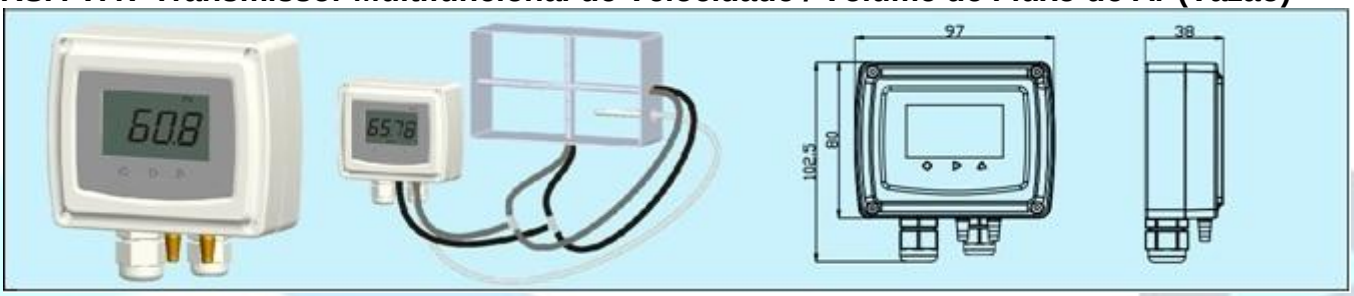
RSA-VAV Transmissor Multifuncional de Velocidade / Volume de Fluxo de Ar (Vazão)



Applications & Features

- Apply high accuracy MEMS sensor and digital technology, can measure air velocity/volume of various ventilation, air conditioning systems and equipments
- High accuracy, excellent temperature compensation and electromagnetic interference (EMI) ability (industrial EMI level 3), good for applications in complex EMI environments of industrial systems or equipments
- Multiple ranges and engineering units
- Multiple outputs selection, over voltage and reverse polarity protection, high reliability
- Optional remote probe for temperature measurement and compensation
- The LCD display and buttons can set zero calibration, unit switching, response time, air velocity or volume mode, compensation/coefficient calibration and parameters, etc.
- High protection rate up to IP65

Specifications

Air velocity/volume:

Medium: non-combustible, non-corrosive air, insensitive to moisture, dust, condensation and oil
Working/Medium Temp.: -40~85°C
Temp. Compensation: 0~50°C
Range: 0-10/30/100m/s, see models
Working Pressure: overload 10xFS(<1kPa)/8xFS(>1kPa) burst 20xFS(<=1kPa)/10xFS(>1kPa)

Temperature remote probe(Optional):

Cable: white, silicone, 4*0.2mm², 2m length, -60~180°C, Rins>100MΩ (25°C)
Digital temperature sensor: accuracy±0.2°C @-40~100°C

Accuracy: DP±0.5%FS;velocity/volume±2%FS;temp.±0.2°C
Long term stability: ±0.5%FS /Year(pressure)
Thermal effect(pressure): <0.03%FS/°C(zero), <0.04%FS/°C (FS)
Response Time: 0.5~30s, can be set by keys
Output: 0~10V, 4~20mA (2 wires), 0-5V, 1 channel for velocity/volume; if temperature is selected, 2 channels
Output Load: ≤500Ω(current), ≤5mA(voltage)
Communication: 1 RS485/Modbus, R/W enable, 9600 bps, terminal resistance settable
Display and Keys: large LCD(with unit display and backlight (N/A for 4~20mA output)) and 3 touch buttons
Display resolution: 0.1 m/s or 1 m^3/h
Display update time: <1s
Power: current 18.5~35VDC (R_L=500Ω),8.5~35VDC (R_L=0Ω), voltage 16~28VAC/16~35VDC; power consumption 1.5VA
Process Connection: 5mm ID tubing
Zero set: easy to reset by keys
Work Temp.: -40~85°C (LCD: -20~70°C), 0~95%RH (Non cond.)
Storage Temperature: -40~85°C (LCD: -30~85°C)
Medium Temperature: -40~100°C
Housing: fire retardant PC(UL94V-0), SS nozzle
Protection: IP65
Weight: 350g
Accessories: it should be applied along with flow sensors like average flow measurement blades AFMB, L type or S type pitot, refer corresponding product description
Approval: CE, meet EN61326-1 for industrial equipment

Models

Model	RSA-VAV				Multi-function Airflow Velocity/Volume Transmitter
Range		1			0-10m/s(0-125Pa)
		2			0-30m/s(0-1000Pa)
		3			0-100m/s(0-10000Pa)
Output			1		0-10VDC
			2		4-20mA(2 FIOS)
			E		0-5VDC
			8		RS485/Modbus RTU
Temp.*				0	N/A
				1	Remote temperature probe

*Temperature option is supplied with a remote temperature probe and provided the same output as velocity/volume output signal