TF121 Multi-range Air Velocity Transmitter

316 S S armoured RTD sensor, simultaneous output and display of air velocity/temperature/pressure

◆Adjustable range from 0~1m/s to 0~20m/s in field
◆Stainless steel sensor/sensor support/housing
◆Optional multi-range static pressure sensor
◆Optional accuracy of 3% or 1%
◆Optional output 4-20mA or MODBUS
◆Standard configuration LCD display
◆ Two mounting types: integral and remote

In order to prolong air velocity transmitter's lifetime, Sailsors takes the lead in using industrial 316 SS armoured RTD sensor as the thermal air velocity measurement component which is insensitive to water/dust/corrosion TF121 is with standard configuration of LCD display and the function of simultaneously outputing air velocity and temperature, if needed, the pressure sensor can be added, to make the transmitter be able to simultaneously output and display air velocity/temperature/pressure.

Besides measuring air velocity, temperature and pressure, TF121 can also totalize volume flow m^3/h or ft^3/min.Through the keypad, user can easily modify the measuring range for air velocity/temperature/pressure, response time and low velocity point cut-off, etc.
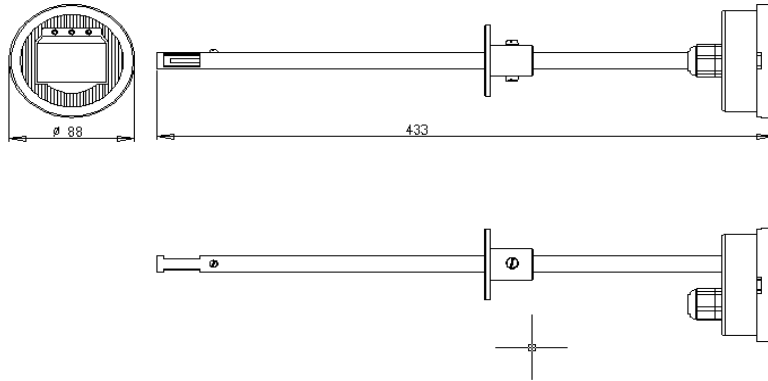
Application

Velocity measurement of air conditioning system, filter monitoring, fan monitoring and exhaust tracking; ventilated case and gas receiver measuring; clean room and clean bench surface velocity measuring and inlet and outlet air flow draught energy management

Specifications

Range:	Velocity: Min. 0~1m/s, Max. 0~20m/s
	Pressure:Min. 0~25pa, Max.0~50KPa
	Temperature:-10~50℃ and -20~125℃ optional
Output:	Two 4-20mA outputs: one for velocity, one for temperature
	Three 4-20mA outputs: one for velocity,one for temperature and one for pressure
Accuracy:	Air velocity: 3% F.S. and 1% F.S. optional
	Pressure:1%F.S.
	Temperature: 1 ℃
Power supply:	24VDC ± 20%
Response time:	3s
Damp :	3s~30s, adjustable
IP protection:	IP65
Power supply:	12~36V DC
Material:	Sensor:316SS
	Housing: 304SS
	Sensor support: 316SS
Working pressure:	100KPA
Sensor dimension:	14 mm outer diameter, legnth:200MM~1000MM optional
Connection:	Removable flange with mounting sealing bushing. When fission mounting is selected, the transmitter is configurated with mounting bracket, and Hirschmann connector between sensor and transmitter, cable should be provided by user.

Dimensions (mm)

Ø 88

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Model chart

Series code			
TF121 multi-range air velocity transmitter			
Range			
Velocity: F1: 0~5m/s	F2: 0~10m/s	F3: 0~15m/s	F4: 0~20m/s
Temperature: T1: -10~50℃ T2: -20~125℃			
Pressure: P0:without pressure sensor P1: 0~250Pa P2: 0~500Pa			
P3:0~1KPa P4: 2KPa P5: 3 KPa			
Outputs			
M1: two or three 4~20mA outputs M2: MODBUS			
Optional accuracy(velocity)			
A1: 3% A2: 1%			
Sensor support length			
L1:200MM L2:400MM L3:600MM L4:800MM L5:1000MM			
Mounting			
B1: Integral B2: Remote			
Model select example			
TF121 F1 T1 M2 A1 L3 B1			