

AIR VELOCITY TRANSMITTER MODEL ST81



1)ST81 main view 2)ST81 front view
3)ST81 side view

Based on heat conduction principle, the sensor probe of air velocity transmitter ST81 is made of MEMS technology, which has the characteristics of high measurement accuracy, wide measurement range, good stability and strong environmental adaptability. It is an ideal choice for wind speed measurement in HVAC, duct air volume measurement, process and environmental control and other applications.

Features

- Widely used, suitable for pipeline, environmental control and other scenarios
- Accuracy up to 0.01m/s
- The protection level is IP65

Technical parameter

General

Basic information

Range①	0-10m/s,0-15m/s,0-20m/s,0-30m/s
Resolution	0.01m/s
Accuracy	± (0.2m/s+3%of mv)(20°C,45%RH and 1013hPa)
Probe length	210mm(optional)
Display	Optional LCD display with unit display and backlight
Housing material	Shell PC, Probe Pa6

①Can be selected by jumper(Analog output version)

Operating conditions

Temperature	Working:-10...60°C[+14...+140°F] Storage:-20...80°C[-4...+176°F]
-------------	---

IP grade	Shell IP65,Probe IP20
----------	-----------------------

Electrical overview

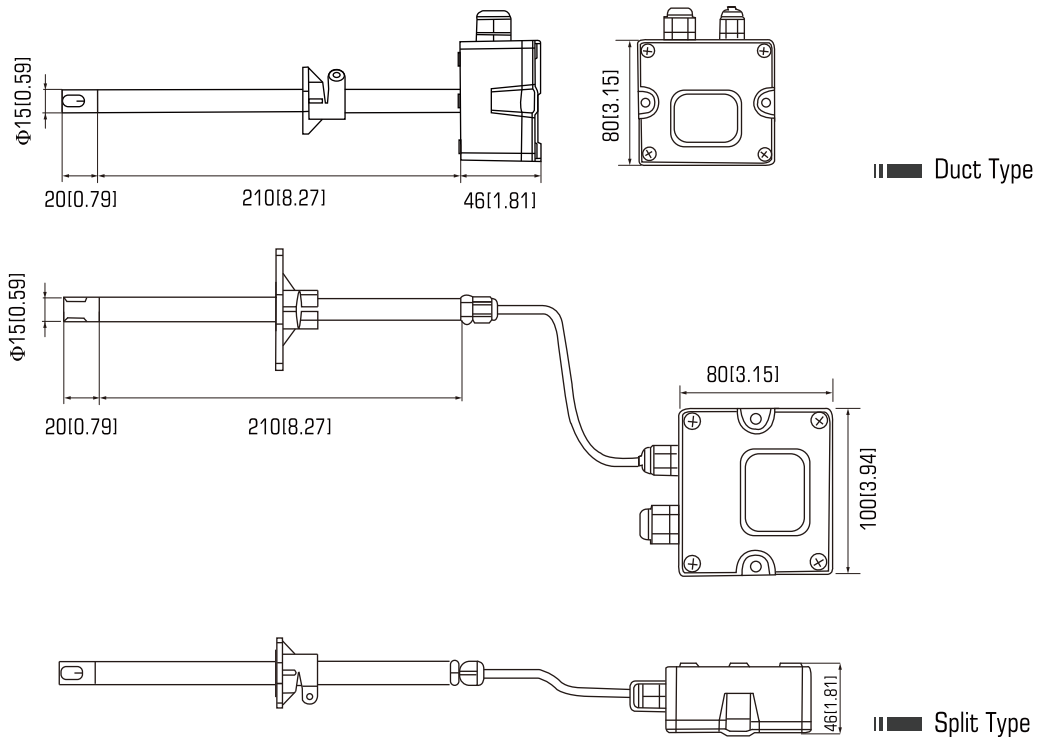
Working Voltage	24VAC/DC±20%
-----------------	--------------

Output mode	RS485/Modbus,0...10VDC/4...20mA(3-wire)
-------------	---

Output load	≤500Ω/(Current output),≥2KΩ(Voltage output)
-------------	---

Electromagnetic compatibility	EN 61326-1
-------------------------------	------------

Dimensiones in mm(in)



Ordering information

Example part number:ST81-1V11D

Model ST81 Air Velocity Transmitter ,Range 0...10m/s,Output 0...10VDC/4...20mA,Installation method Duct Type Air Velocity Transmitter, Display Wth display.

S
T
8
1
-
1
V
1
1
D

①
②
③
④
⑤
⑥

①	②	③	④	⑤	⑥
Name	Range	Output	Installation method	Display	Probe length
ST81	1 0...10m/s 2 0...15m/s 3 0...20m/s 4 0...30m/s 5 Customized	V1 0...10VDC/4...20mA RS RS485/Modbus	1 Duct Type Air Velocity Transmitter 2 Split Type Wind Speed Transmitter	D Wth display N Without display	1 210mm 2 Customized

Please make separate remarks for special requirements.