

FTS34/35

Air Velocity Transmitter for Duct / Remote Type



APPLICATIONS

Features

- Measuring range: 2 m/s ; 10 m/s; 20 m/s ; 40 m/s
- Output: 4~20 mA / 0~10VDC.
- High stability and repeatability.
- Smaller tolerance in setting angle.

Applications

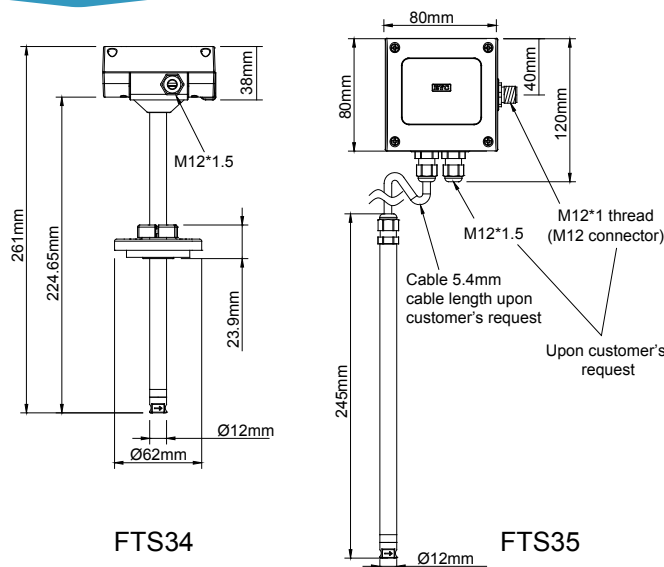
- Monitoring for HVAC process
- Environmental control and clean room
- Laminar flow control



FTS **34** - **40** **1** **1** - **N**

Installation	Range	Output	Power Supply	Option
34 : duct-mounting 35 : remote type	02 : 2 m/s 10 : 10 m/s 20 : 20 m/s 40 : 40 m/s	1 : 4~20mA 6 : 0-10V	1 : 8~35VDC / 12~30VAC	5 : 5-meter cable (FTS35) M : M12 connector N : Plastic cable gland D : LCD display

DIMENSION



TECHNICAL SHEET

INPUT

Measuring range 2 m/s ; 10 m/s; 20 m/s ; 40 m/s

OUTPUT

Output..... 4~20 mA / 0~10 VDC ; 3-wire

Linear accuracy (at 25°C ; 45% ; 1013 mbar)

0~20m/s ±2% of F.S.

0~40m/s ±3% of F.S.

Uncertainty rate of factory calibration.....

..... 1% of m.v. (To use restrictive plate: 2% of m.v.)

Display type LCD Module with back light

Display range upon request, one decimal place

Height of character 5.56mm

Load resistance (current output)..... ≤ 500Ω

Load resistance (voltage output)..... ≥ 10KΩ

Response time..... reach 90% of ultimate value within 3 sec.

Angular dependence

..... < 3% of measuring value(when the angle <10°)

ENVIRONMENT

Media measured..... air

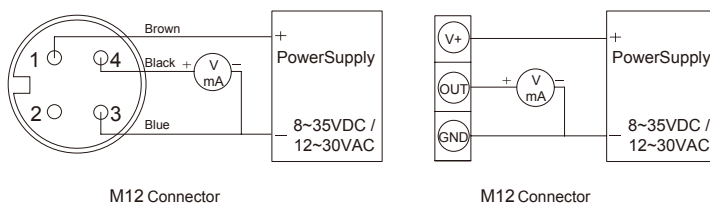
Media temperature 0~50°C

Working temperature 0~50°C

Working humidity non-cond.

Storage temperature -20~60°C

CONNECTION DIAGRAM



M12 Connector

M12 Connector

ELECTRICAL REGULATION

Power supply 8~35VDC / 12~30VAC

Current consumption max. 200mA

Overvoltage protection < 33VDC

Electrical connection..... 3P connector / M12 connector

Installation duct / remote

Way to fix Flange

Protection degree IP 54

Electrical protection ■ over-voltage ■ polarity

Certification..... CE

Housing / Probe PC fire-proof

Probe's head SUS

Cable PVC(FTS35)

Weight FTS34 : 147g / FTS35 : 200g