Air Velocity-FTM06C-A

FTM06C-A Thermal Mass Air Velocity and Air Volume Transmitter

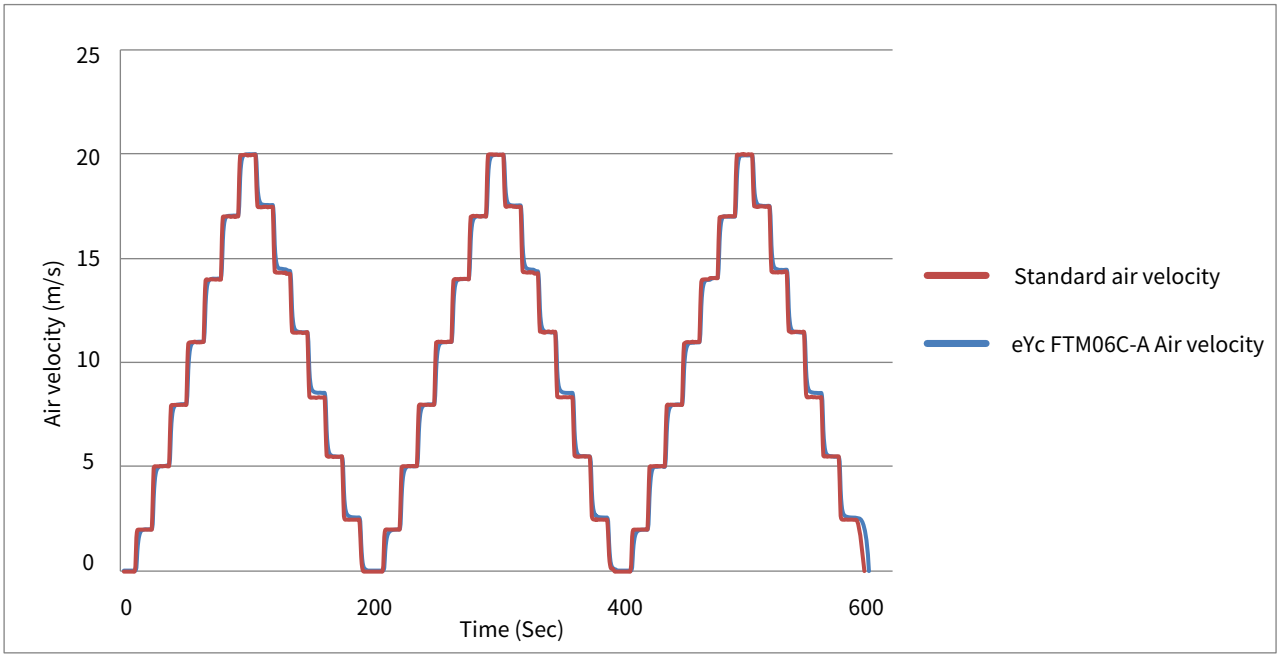
| Features |

- Thermal mass flow, quickly response, good sensitivity
- Turndown ratio 500：1, high precision & accurate sensing at lowest flow rate for metering applications
- Display Cumulative flow / Instantaneous flow
- Output：Analog / RS-485
- Use measured with square pipe or 2" pipe above
- IP rating：IP65
- Stainless steel casing, suitable for various severe environments, such as slightly corrosive air

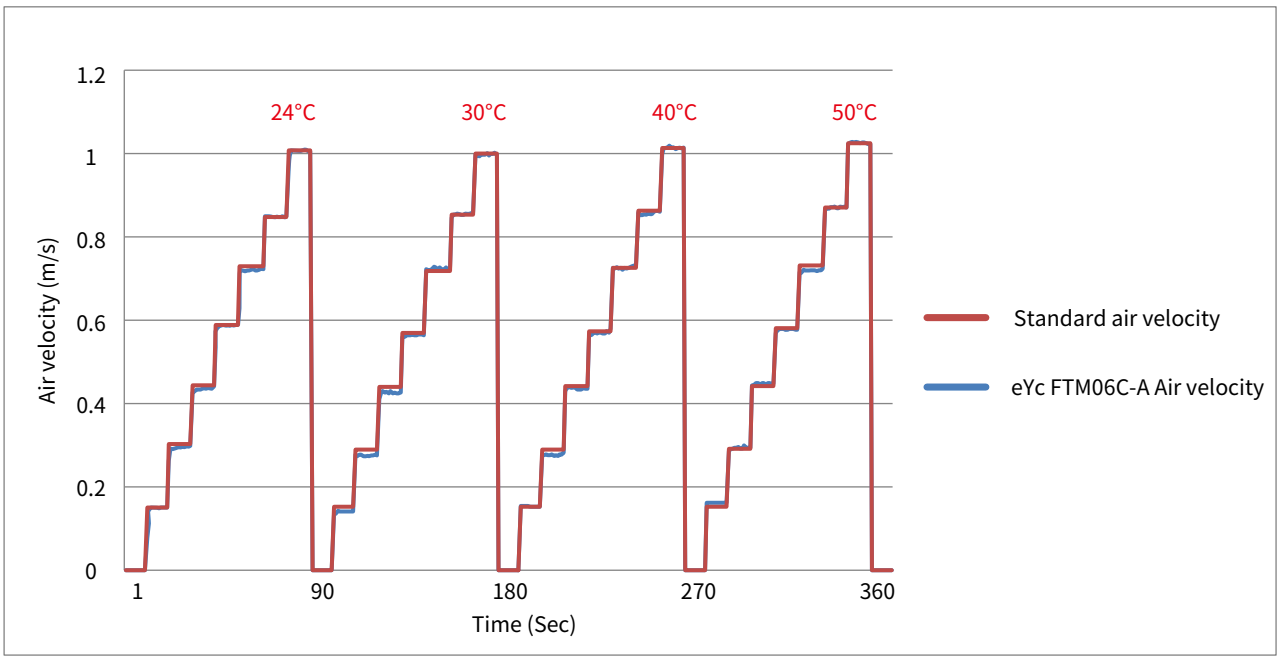
| Applications |

Compressed air monitoring / Exhaust gas emission flow monitoring / Special gas process / Semiconductor / electronics factory / Industrial process air velocity and air volume measurement

| 3-Cycle Linear Curve |



| Low Air Velocity Temperature Compensation Verification |



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| Specification |

Input

Input type	Pt20/Pt300 (Air velocity) / Pt1000 (Temp.)
Measuring range	0 ... 5 m/s ~ 0 ... 60 m/s
Min. measuring range	0.1 m/s
Turndown ratio	500：1
Installation angle effect	＜3% of the measured value
	(When the installation angle＜10°)

Output

Output	4 ... 20 mA & RS-485
	0 ... 10 V & RS-485
	RS-485 & Impulse
Preset output	Out1：Air velocity
Signal connection	3-wire
Warm-up time	＜60 sec
Reaction time	t90＜5 sec
Load resistance	Voltage output：≧10 KΩ
	Current output：≦500 Ω

Accuracy

Accuracy	±1.5% (Option±1%)
Temp. influence	0.1% / °C
Repeatability	0.5%

Electrical

Power supply	DC 24 V±10%
Current consumption	＜0.3 A
Electrical connections	M12 metal connector

**Please make sure the product and the device which connect with RS-485 are on common ground, avoid damaged product.

Environmental

Measuring medium	Air
Operating Temp.(With body and display)	0 ... +50°C
Operating Humid.(With body and display)	20 ... 90%RH(Non-condensing)
Probe operating Temp.	0 ... +120°C(Max 200°C)
Storage Temp.	-20 ... +60°C
Storage Humid.	0 ... 95%(Non-condensing)
Probe pressure	16 bar

Installation

Flange	Metal flange mount
Thread	R1/2" metal connector
Flange pipe	Flange pipe

Certification

Certification	CE

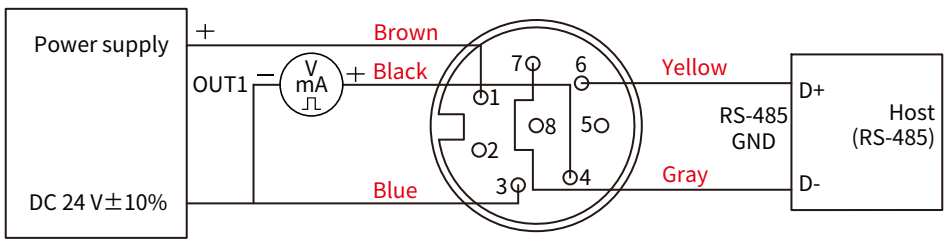
Protection

IP rating	IP65
Electrical protection	■ Polarity protection
	■ Over-voltage
	■ Short-circuit

Material

Cover	PC(Display)
	SUS 304(No display)
Body (including probe)	SUS304
Filter	SUS304
Weight	500 g(w / o cable)

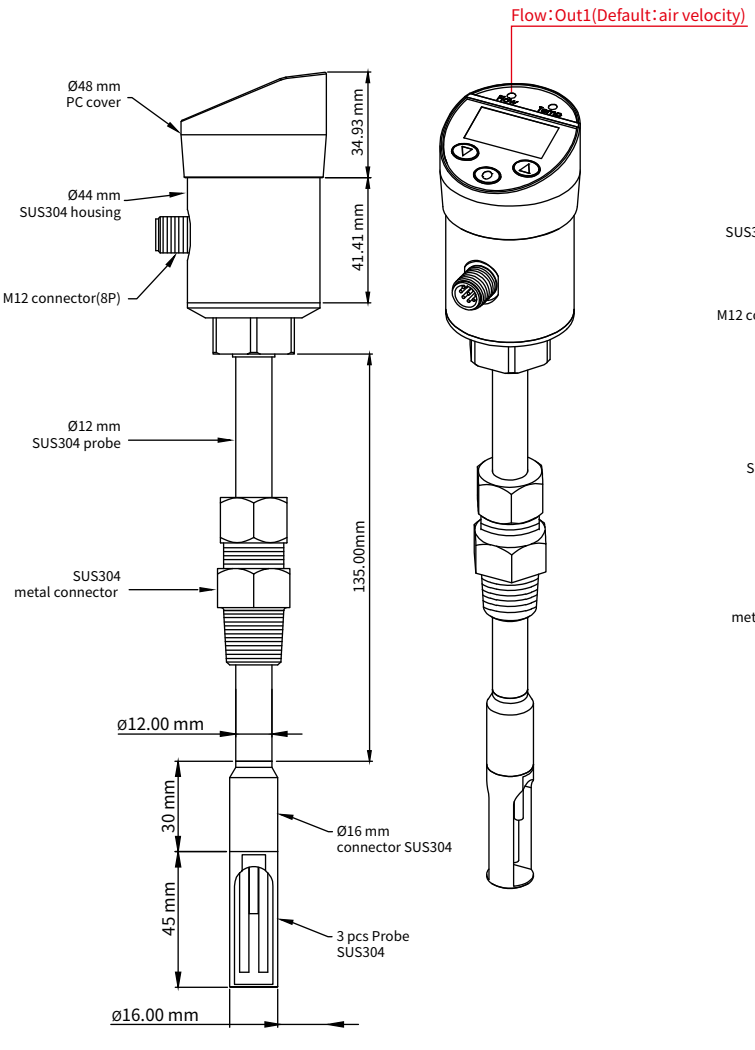
| Diagram |



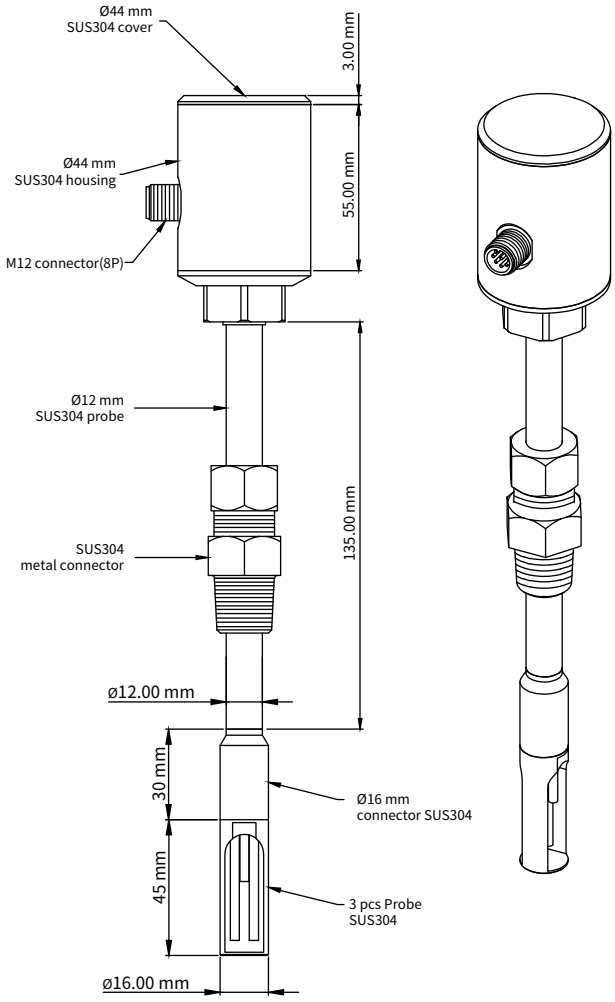
Analog+RS-485 / Impulse+RS-485

| Dimension | Unit：mm

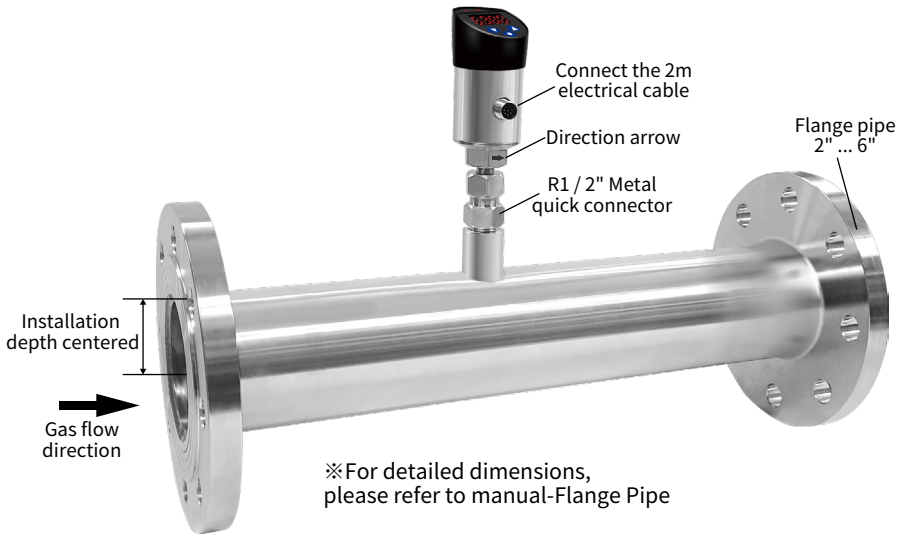
FTM06C (Display type)



FTM06C (No display type)



| Flange Installation |



※For detailed dimensions,
please refer to manual-Flange Pipe

| Ordering Guide |

※Note 1: Each setting is according to actual purchase model, can not be changed after factory.
※Note 2:The analog output factory settings cannot be changed by the display side or set by the UI.

| Additional Option Test Report | For more detailed information please contact us.

■ILAC / TAF

YUDEN-TECH CO.,LTD. Calibration Laboratory - (ILAC / TAF) Test report.
(TAF accreditation：3032, complying with ISO / IEC 17025) TAF has mutual recognition arrangement with ILAC MRA

Project	Measurand level or range
Air velocity transmitter	0.2 m/s ... 60 m/s

■ISO 9001

Project	Measurand level or range
Air velocity / Air volume	Air velocity ：≦ 120 m/s
	Air volume：0.5 m^3/h ... 1000 m^3/h