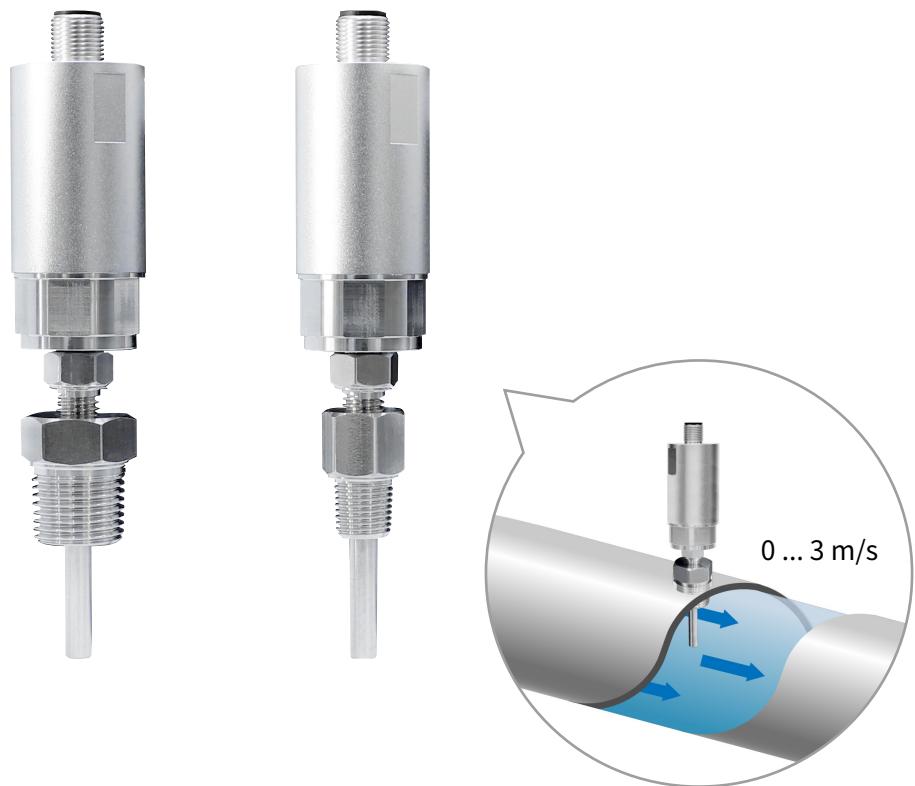




# FTC06 Flow Transmitter



## | Features |

- Rugged aluminum alloy housing, suitable for harsh environments
- Measures temperature and water flow via RS-485
- RS-485 configuration software allows setting of measurement range, analog output, and device address
- Built-in data logging function supports up to 65,535 records with graphical analysis
- Designed for liquid water-cooling systems
- Integrated, fully encapsulated probe design, compatible with various threaded fittings

## | Applications |

AI Servers / Precision Manufacturing / Data Centers / Semiconductor / Electronics / Chemical / Pharmaceutical / Steel industry / Biotechnology / Industrial process monitoring / Air conditioning / Cleanroom / Laboratory / Weather station / Hospital / Buildings / Dryers / Factories / Storage rooms / Environmental ventilation control / Environmental test chambers / Greenhouses

## | Specifications |

### Input

Sensor type	Pt 50 / Pt 1000
Measuring range	0 ... 3 m/s

### Output

Output	4 ... 20 mA / RS-485 / NPN
Load resistance	Current output: $\leq 500 \Omega$
Response time (at +25°C)	$t_{90} < 3 \text{ sec}$
Filter response	0 ... 100 adjustable
Sampling time	1 cycle/sec
Temperature gradient	3 K/min

### Accuracy (at +25 °C)

Accuracy	$\pm 2\%$ / Repeatability $\pm 0.5\%$ /
	Temperature Compensation
Temperature drift	$\leq 0.2\%$ F.S. / °C

### Communication

Comm. Interface & Protocol	RS-485 Modbus RTU
RS-485 Baud Rate	9600、19200、38400、57600、115200 bps

### Electrical

Power supply	DC 24 V $\pm 10\%$
Current consumption	< 100 mA
Electrical connection	M12 8P connector

### Environmental

Medium	Liquid
Operating Temp. (Housing)	-20 ... +60°C
Operating Humid. (Housing)	0 ... 90% (Non-condensing)
Probe Operating Temp.	0 ... 50°C
Storage temperature	-25 ... +60°C
Probe pressure resistance	2 bar

### Installation

Installation	1/4"PT or 1/2"PT movable thread
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### Certification

Certification	CE
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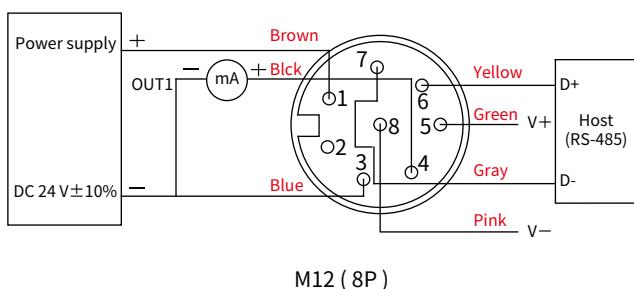
### Protection

IP rating	IP65 (Housing)
Electrical protection	■ Reverse polarity ■ Over-voltage

### Material

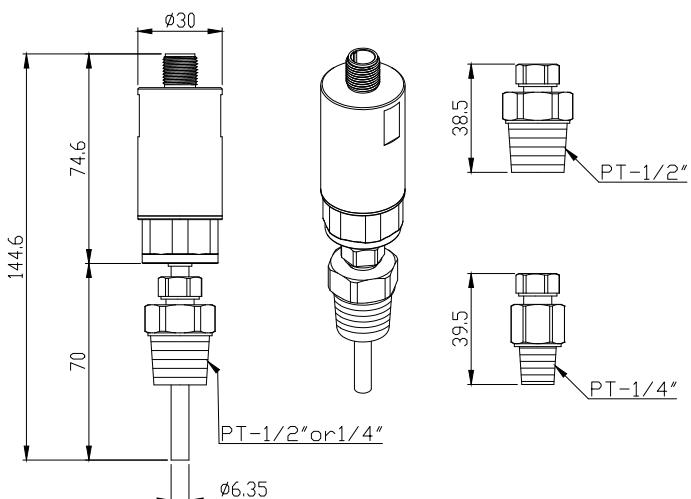
Probe	SUS304
Housing	Aluminum alloy
Weight	About 180g

## | Diagram |



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

## | Dimension |



## | Ordering Guide |

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Product ordering number	Product Specifications
FTC06-W1	O/P : 0 ... 3 m/s to 4 ... 20 mA + RS-485+NPN

## | 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
Flow transmitter	Water flow rate : 2.54 m <sup>3</sup> /h ... 30 m <sup>3</sup> /h (42.3 L/min ... 500.0 L/min)
	Water flow velocity : 0.2 m/s ... 3 m/s

### ■ ISO 9001

Project	Measurand level or range
Air velocity / Air volume	Air velocity : $\leq$ 120 m/s
	Air volume : 0.5 m <sup>3</sup> /h ... 1000 m <sup>3</sup> /h

\* Calibration Condition : Measuring tube DN40 (1.5"), DN80 (3")