e-Front runners

FUJI ULTRASONIC FLOWMETER SERIES

A sensor best suited for high-temperature application (0 to 120°C) is now on sale!

Note: A detector (type: FLD320), which can be used up to 200°C, is also available.

Features

1. Compact and lightweight

High-temperature resin is used for the sensor housing and the wedge material.
FLSE12: 0.3kg, FLSE22: 0.4kg

2. Easily mountable and waterproof structure (IP65)

It is very easy to mount on the frame, and waterproof BNC connectors are used to simplify the wiring.

3. High accuracy 1 – 2% of rate

When combined with a flow transmitter FSV and the flow velocity is 2m/sec or more

4. Superior anti-bubble performance (when combined with a flow transmitter FSV)

The use of digital signal processing drastically improves the tolerable bubble quantity (Advanced ABM is adopted.)

Specifications

- Process temperature range: 0 to +120°C
- Ambient temperature range: -20 to +80°C
- Applicable piping diameter

  FLSE12: ø25mm to ø100mm (plastic pipe)
  ø50mm to ø100 (metallic pipe)
  FLSE22: ø50mm to ø150mm (plastic and metallic pipes)
- Accuracy (when combined with a flow transmitter FSV)
  - Plastic pipe
    ø25mm to ø50mm:
    2.0% of rate (flow velocity 2m/sec or more)
    ø50mm to ø150mm:
    1.0% of rate (flow velocity of 2m/sec or more)
  - Metallic pile
    ø50mm to ø150mm:
    2% of rate (flow velocity of 2m/sec or more)

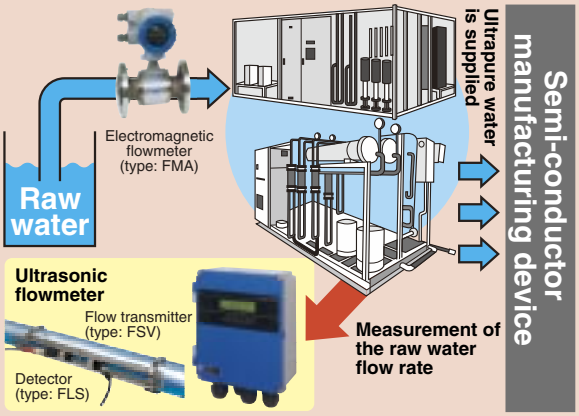
Fuji Electric Systems Co., Ltd.

ECNO:637

Application /

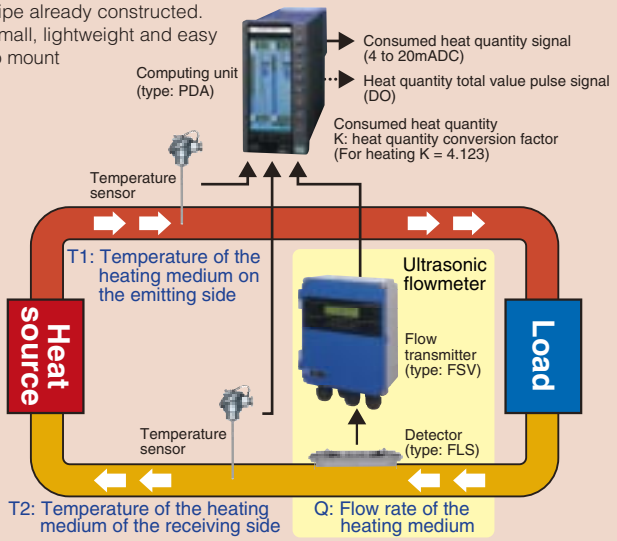
Flow rate measurement of high-temperature chemical and pure water in semi-conductor manufacturing facilities

1) It can be easily mounted on the exterior of a pipe, helping reduce mounting cost.
2) As a sensor, it can operate without coming into contact with fluid, so the fluid is not affected by metallic ions.
3) This meter, compact and lightweight, can be easily carried and mounted.



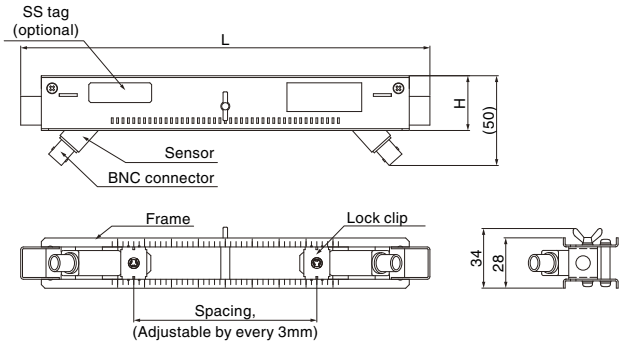
Measurement of the hot water flow rate in buildings and local air conditioning equipment

- It can be mounted on the pipe already constructed.
- Small, lightweight and easy to mount



Outline diagram of detector (unit: mm) /

Type: FLSE1 (for diameter of ø25mm to ø100mm)
Type: FLSE2 (for diameter of ø50mm to ø150mm)



Type	Diameter (mm)	L	H	Spacing	Mass approx. (kg)
FLSE12	25 to 100	228	31	21 to 120	0.3
FLSE22	50 to 150	348	30	21 to 240	0.4

Code symbol of detector

FLS E _ _ 2 – A

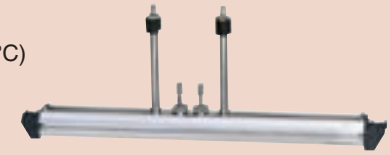
Digit	Specifications	
5	<Applicable diameter>	
6	ø25 to ø100mm	1 2
	ø50 to ø150mm	2 2
7	<Acoustic coupler>	
	None,	Y
	Silicone rubber,	A
	Silicone-free glass	B
9	<Fluid temperature range>	
	0 to +120°C	A
10	<Optional specifications>	
	None,	Y
	Tag nameplate	B

Relevant product

Detector for high temperatures (up to 200°C)

Type: FLD320S1-Y

Applicable pipe diameter: ø50 to ø400mm



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