

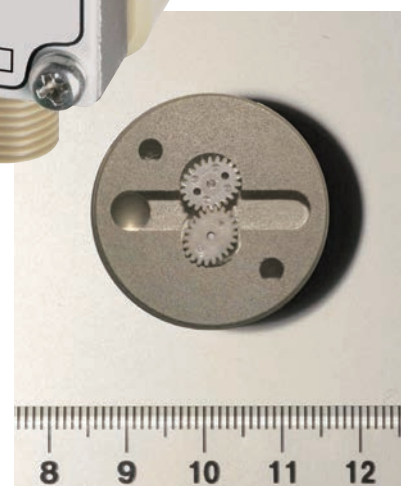
# Ultraminiature Plastic Flowmeter Size 38



Flow measurement in extremely low flow range formerly could only be handled by much larger and more expensive meters. Our precisely miniaturized flow sensor now does this job positively with stability, making it ideal for fuel cell R & D in experimental laboratories or for flow measurement in agent and additive dosing lines.

## ◆ Features

- A compactly built flow sensor with built-in pulse generator.
- Measures water flow from 1.5mL/min.
- Miniaturized: Fits in a small space available in a machine or equipment in general.
- Simple construction, sturdy and competitively priced.

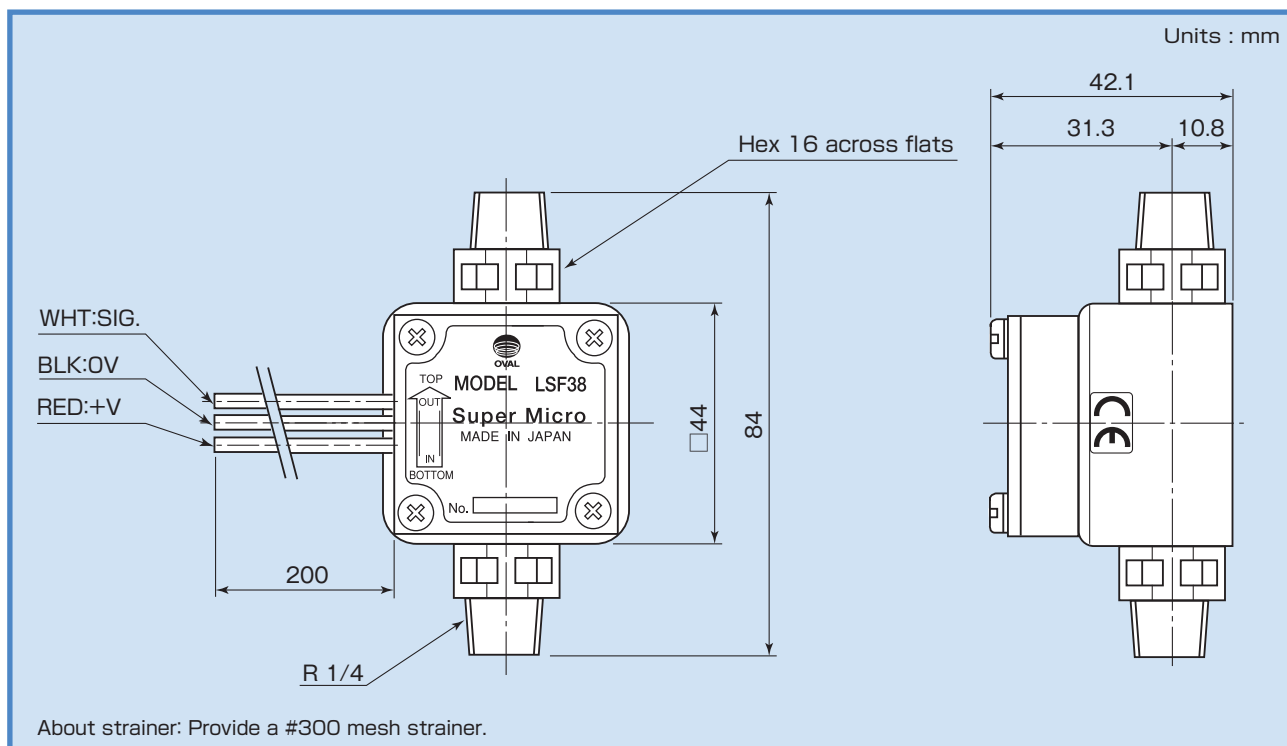


## GENERAL SPECIFICATIONS

Item			Description
Component parts	Register	Rotor	PEEK resin
		Outer case	
		Front lid	
		Inner case	
		Embedded magnet	Pt-Co
		Wet contacted packing	NBR
	Generator	Shafts	Ceramics
Environmental	MR sensor		Alternating magnetic fields with a MR element (voltage pulse)
	Max. operating pressure		0.3MPa
	Operating temperature		-10 to +60°C
	Size and process connection		Rc 1/4 external thread
	Flow direction		Bottom → top
Performance	Acceptable liquid		Water, chemical liquid, etc.
	Accuracy	Water (※1)	0.09 to less than 0.18L/h ±10% RD
	Meter factor		0.18 to 3L/h ±3% RD
	Power		0.055 mL/P
Pulse generator			12 to 24 VDC ±10%
	Output signal		Unfactored voltage pulse
			OFF: 1VDC max. ON: Power voltage - 2VDC min.

※ 1. For applications other than water, consult the factory.

## OUTLINE DIMENSIONS



• The specification as of September, 2008 is stated in this catalog. Specifications and design are subject to change without notice.



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