

Low Flow Liquid Turbine Flow Meter

Overview

SLW-Micro Series Low flow liquid flow meter is based on turbine flow meter principle which is dedicated to measure liquid flow rate with low flow rate. The flow sensor has high accuracy even at high temperature and high pressure conduction. The electronic pulse generator is built-in the flow sensor, and can keep $\pm 1\%$ accuracy and $\pm 0.25\%$ high degree of repeatability under continuous running. This type mini-flowmeter is widely used in measure, regulate, dispensing liquid.



Features

- Low flow rate from 0.035 L/min to 3 L/min, flow meter size from 1.15mm to 3.7mm
- Mini Turbine flow sensor is with compact design and light weight
- Miniature flow meter is suitable to measure clean and non-corrosive liquids

Technical Specifications

Flow range	Flow sensor size	Flow (L/min)	K factor (cm ³ /imp)
	1.15mm	0.035~1.6	0.50
	1.3mm	0.01~1.86	0.60
	1.5mm	0.045~2.08	0.67
	2.0mm	0.085~2.32	1.02
	2.5mm	0.12~2.4	1.44
	3.7mm	0.15~3	2.28
Medium	clean and non-corrosive liquids		
Pressure	Max 2MPa		
Medium Temperature	-10~+100℃		
Accuracy	$\pm 1\%$		
Repeatability	$\pm 0.25\%$		
Process Connection	G1/4" Female (Customized)		
Material	Housing: Green Brass		
	Bearing: INO*18/8 (1.4305) Stainless Steel		
	Impeller: PVDF		
	Magnet: SrFeO Ceramics, ultrasonic welding		
	Sealing: MVQ(silicone rubber, O ring)		
Install Position	Horizontal Mounting		
Dimensions(LxBxH)	40x55x40mm		

Model Selection

Code					Description
SLW-Micro	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sensor size	1				1.15mm
	2				1.3mm
	3				1.5mm
	4				2.0mm
	5				2.5mm
	6				3.7mm
Output		1			Pulse, 3 wire
Display			1		No display
Exd				1	None explosion proof