

LWE Intelligent Universal Electronic Flowmeter

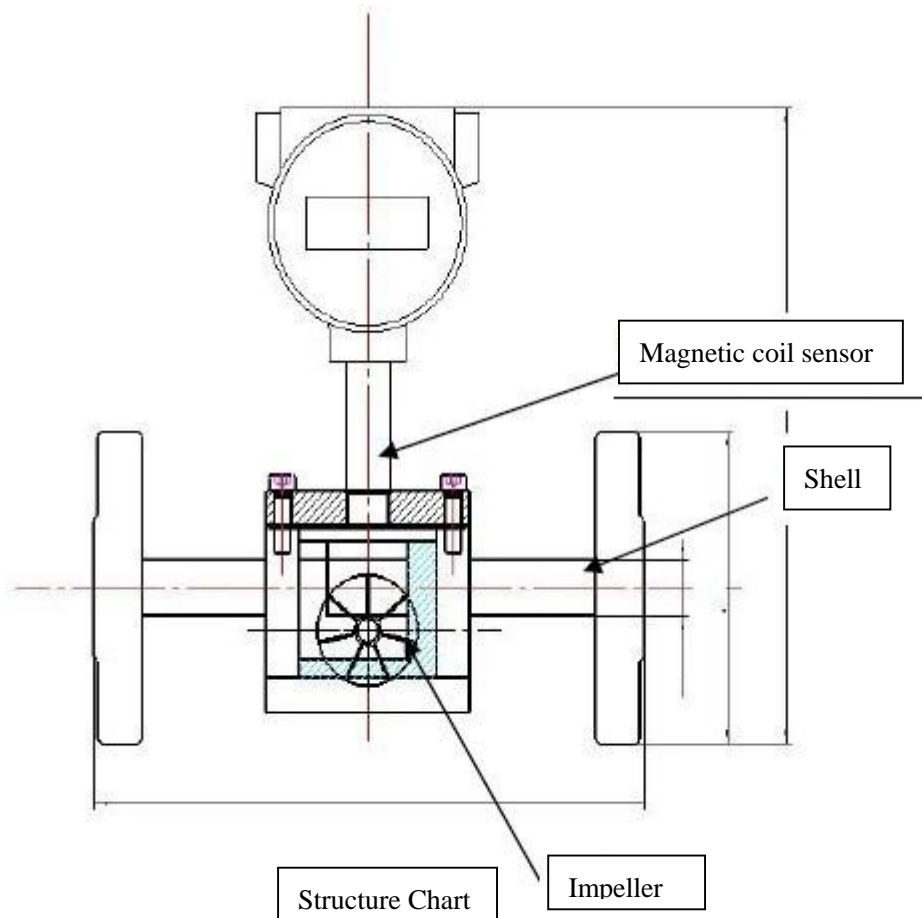


Overview

LWE intelligent universal electronic flow meter (hereinafter referred as the meter) is a new type of intelligent mechatronical speed flowmeter. It absorbs the features of the single velocity flowmeter of the traditional speed flowmeter, innovates the structure and improves the accuracy. It finishes the error correction of internal system through the microcomputer, so the measurement accuracy reaches to 0.5 Grade, the flowmeter has large turndown ratio, small startup flow. It could measure micro flow, with no clogging. The flowmeter does not require too much for the medium, with the oil, sand, mud, and the mixture liquid, it can still fully work properly.

Operating Principle

It's one of single velocity flowmeters, in its structure, the single impeller is hung in a side of the pipe, which is rotated by the liquid driving, and it is converted into an electric signal by the sensor, the flow value can be obtained after the amplifying, rectifying and calculating.

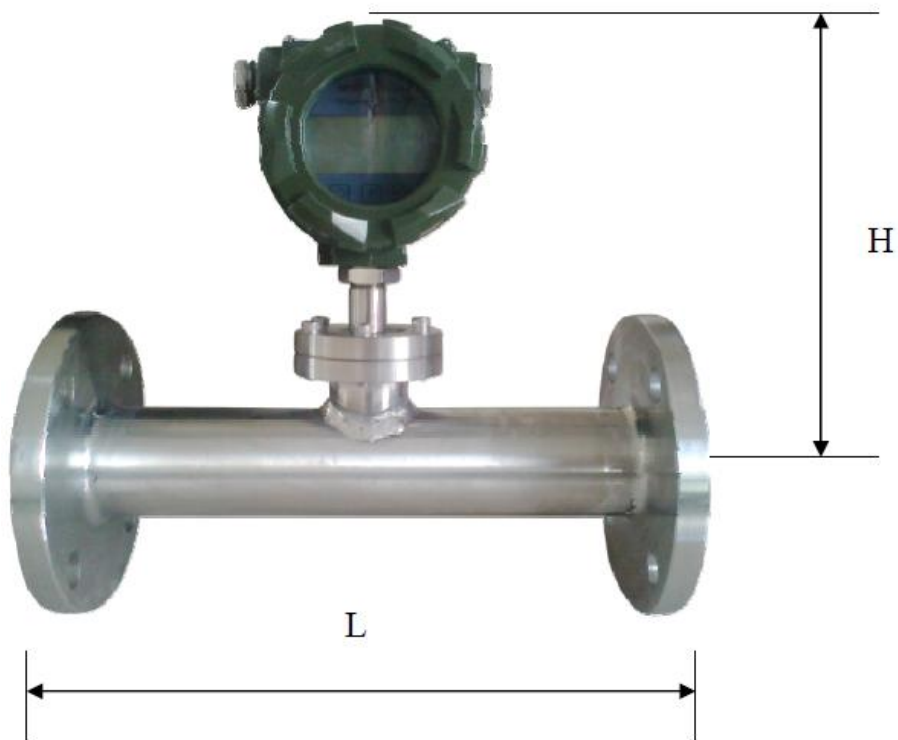


Main Technical Parameters

Subject Model	Nominal Diameter (mm)	Nominal Pressure MPa	Temperature of Measured Fluid (°C)	Range of Flow (m³/h)		Installation Form
				Minimum Flow	Maximum Flow	
LWE-4	4	1.6	-20~+350	0.02	0.3	Horizontal
LWE-6	6	2.5		0.03	0.5	
LWE-10	10	4.0		0.06	1.2	
LWE-15	15	6.4		0.10	2.0	
LWE-20	20	10		0.15	3.0	
LWE-25	25	16		0.2	6	
LWE-40	40	20		0.6	20	
LWE-50	50	25		1.0	30	
LWE-80	80	32		3.5	80	
LWE-100	100	42		6	120	
LWE-150	150	1.6		15	300	
LWE-200	200	2.5		30	450	
LWE-250	250	4.0		35	700	

LWE-300	300	6.3		70	1500	
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Installing Boundary and Dimension



Nominal Diameter (mm)	4	6	8	10	15	20	25	40	50	65	80	100	150	200	250	300
H (mm)	150				200			240		260	260 300 ※	260 320 ※	300 350 ※	350	400	400
H (mm)	240				240			280		280	280	300	350	400	400	400
Connection Mode	Thread				Thread, flange			Thread, flange		Flange	Flange	Flange	Flange	Flange	Flange	Flange
※High pressure P≥10MPa																

Model	1	2	3	4	5	Illustration
	Nominal Diameter	Nominal Pressure	Material	Ways of Remote Transmission	Working Temperature	



LWE						Universal flowmeter
	4~450mm					Nominal diameter 4~450mm
		1.6~42				Nominal pressure 1.6~42MPa
			C304			304 stainless steel
			C316			316 stainless steel
				F		Pulse, equivalent output
				I		Current output 4-20mA
				R		RS485, Modbus
				H		Hart Protocol
					A	Temperature of medium $\leq 80^{\circ}\text{C}$
					B	Temperature of medium $\geq 80^{\circ}\text{C}$