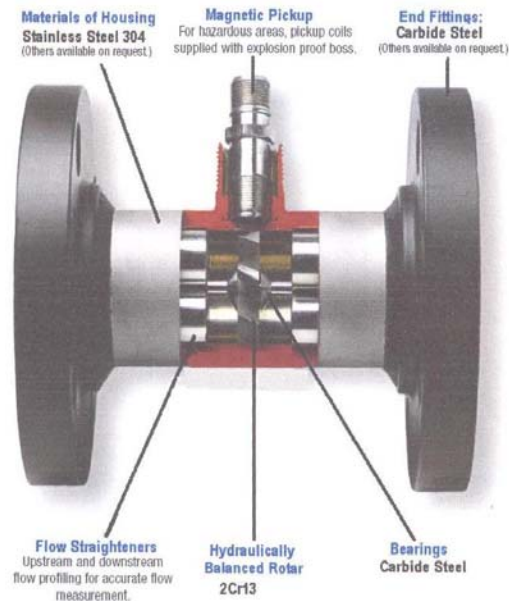


# Turbine Flow Meter

**Sure** Turbine Flow Meter Sensors LWGY are suitable for measuring flow of liquid with high accuracy and good repeatability. The rotor of turbine rotates to produce pulses in the magnetic sensor. These pulses are amplified for transfer to remote location for display and further processing.



*Flanged Type Turbine Flow Meter*

## **SPECIFICATIONS:**

### **Performance**

Repeatability:  $\pm 0.2\%$   
 Accuracy: Standard:  $\pm 1\%$  of reading;  
 Optional:  $\pm 0.5\%$  of reading or  $\pm 0.2\%$  of reading

### **Wetted Components**

Housing: Standard - 304 Stainless Steel  
 Optional - 316 Stainless Steel  
 Bearings and Shaft: Tungsten Carbide  
 Rotor: 2Cr13 Stainless Steel  
 Retaining Rings: 304 Stainless Steel

### **Output Signals**

Sensor: Pulse Signal (Low Level:  $\leq 0.8V$ ;  
 High Level:  $\geq 8V$ )

**Signal Transmission Distance:**  $\leq 1,000m$

### **Electrical Connections:**

Basic Type: Hausman Connector or three - core cable  
 Explosion Proof Type: ISO M20x1.5 Female

### **Explosion Proof Level:**

Standard: None  
 Optional: ExdIIBT6

### **Protection Level:**

IP65

### **Ambient:**

Temperature:  $-10^{\circ}C$  to  $+55^{\circ}C$   
 Pressure: 86 to 106KPa  
 Relative Humidity: 5% to 90%

### **Power Supply:**

Sensor: +12V DC (Optional: +24V DC)

### **Fluid Temperature and Pressure:**

Temperature:  $-20^{\circ}C$  to  $+110^{\circ}C$   
 Pressure: Fluid Pressure should be limited according to Flange rating.

Nominal Diameter		Standard Flow Range (SFR)	Flanged or Thread Availability
(mm)	(in)	(m <sup>3</sup> /h)	
4	0.15	0.04 to 0.25	Thread
6	0.25	0.1 to 0.6	Thread
10	0.4	0.2 to 1.2	Thread
15	0.5	0.6 to 6	Thread / Flanged
20	0.75	0.8 to 8	Thread / Flanged
25	1	1 to 10	Thread / Flanged
32	1.25	1.5 to 15	Thread / Flanged
40	1.5	2 to 20	Thread / Flanged
50	2	4 to 40	Flanged
65	2.5	7 to 70	Flanged
80	3	10 to 100	Flanged
100	4	20 to 200	Flanged
125	5	25 to 250	Flanged
150	6	30 to 300	Flanged
200	8	80 to 800	Flanged



*Thread Type Turbine Flow Meter*



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