SEALING SYSTEMS

Coriolis Mass Flow Meter

SH250-Variable Area Flow Meter

The Product

Turbine flow meters use the mechanical energy of the fluid to revolve the rotor in the flow stream. Blades on the rotor are angled to transform energy from the flow stream into rota onal energy. When the fluid moves faster, the rotor spins propor onally faster. Sha rota on can be sensed mechanically or by detec ng the movement of the blades. Blade movement is o en detected magne cally, with each blade or embedded piece of metal genera ng a pulse. Turbine flow meter sensors are typically located external to the flowing stream to avoid material of construc on constraints that would result if we ed sensors were used. When the fluid moves faster, more pulses are generated. The transmi er processes the pulse signal to determine the flow of the fluid.

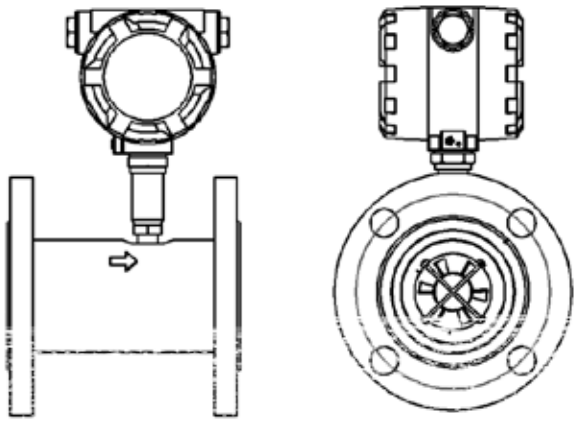
Features

- Light oil & purity liquid measurement
- Modbus RS485 communica on- Backlight op on
- Working Max Temp. +150oC
- Unit of GPM, KG/H, Ft3/h, LPM, m^3/h, Ton/h
- Totalizer rest

Applications

- Petrochemical/ energy industry
- Hydraulic/ lubrication system
- Test systems
- Distilled water
- Clean water
- Food and beaverage industry

Technical Drawings

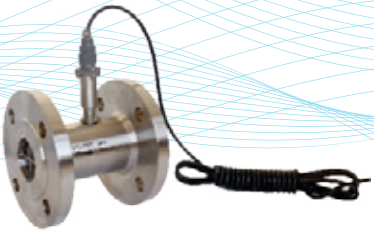


Technical Data

output	Pulse; 4-20 mPa	
Accuracy	±1.0 of Rate; ±0.5% of Rate	
Ambient Temp.	-20...+60°C	
Fluid Temp.	-20...+150°C	
Body Material	SS304; SS316	
Rotor Material	2Cr13; CD4MCu	
Bearing Material	Tungsten Carbide	
Connection	Flange of DIN, JIS, ANSI	DN15-DN200
	Thread of G, BSP, NPT	DN4-DN 50
	Sanitary Tri-Clamp	Dn10-DN100
	Wafer	DN50-DN200
Communication	RS485	
Power Supply	24V DC; Battery ; 220V AC	
protection	IP65	
Explosion	Exd IICT6 Gb	

N2- Current Output Type

E- Digital Type



N1- Pulse Type

Model Selection

Model	Suffix Code										Description
LWGY-	❶	❷	❸	❹	❹	❺	❻	❼	❽	❾	Liquid Turbine Flow Meter
Diameter	XXX										Stand for diameter 004: DN4; 006: DN6 100: DN100; 200: DN200
Converter Type		N1									24V DC, Pulse output, No display
		N2									24V DC; Pulse output; No display; Ex
		A									24V DC; 4-20mA output; No display; Ex
		E1									Battery power supply; No output; Ex ; Digital display
		E2									24V DC; 2/3 wires 4-20mA/ Pulse output; Ex ; Digital display
		E4									24V DC; 0-20mA output; Ex; Digital display
		G									220V AC; 4-20mA output; Ex; Digital display
		FE									FE: Fluidwell E series converter(Refer to page 11)
		FF									FF: Fluidwell F series converter(Refer to page 12)
		Notice:									1) Modbus RS485 is optional for E2, E4, and G type
											2) Dual Power(24V DC+ Battery) is optional for E2, E4, G type
Accuracy			10								±1.0% of rate
			05								±0.5% of rate
			02								±0.2% of rate (consult with factory)
Flow Range				S							Standard Range
				E							Extended Range
Body Material						S4					SS304
						S6					SS316
Rotor Material							Cr				2Cr13
							CD				CD4MCu
Explosion Proof								CT			Exd II C T6 Gb
								NA			No explosion proof
Connection									THM		Male thread; Available from DN4...DN50
									THF		Female thread; Available from DN4...DN50
									WAF		Wafer connection
									TRC		DN10- DN 100 (Sanitary type)
									DXX		D16: DIN PN16 Flange; D25: DIN PN25 Flange...
									AXX		A15: ANSI 150# Flange; A30: ANSI 300# Flange...
									JXX		J10: JIS 10K Flange; J20: JIS 20K Flange...
Temperature										T1	-20...+80°C
										T2	-20...+120°C
										T3	-20...+150°C

U-Type

Diameter (mm)	Standard Range (m3/h)	Extended Range (m3/h)	Max. pressure loss (kPa)
4	0.04-0.25	0.04-0.4	120
6	0.1-0.6	0.06-0.6	80
10	0.2-1.2	0.15-1.5	50
15	0.6-3.6	0.5-5	35
20	0.8-8	0.45-9	35
25	1-10	0.5-10	35
32	1.5-15	0.8-15	35
40	2-20	1-20	35
50	4-40	2-40	35
65	7-7 0	5-70	25
80	10-100	7 -100	25
100	20-200	10-200	25
125	25-250	13-250	25
150	30-300	15-300	25
200	80-800	40-800	25