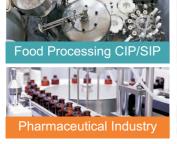




QTLD/T tri-clamp magnetic flow meter is designed for sanitary applications, size is DN15-DN200, the sensor is SS304 or SS316 and lined with PFA. With tri-clamp, the magnetic flow meter can be installed and torn down easily to clear, it meet the strict requirements of food-processing and pharmaceutical industries.









saline and glucose water.





Features

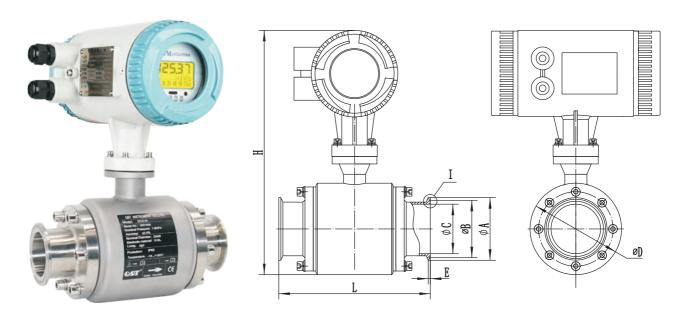
- Tri-clamp electromagnetic flow meter is easy to be installed and dismantled.
- It adopts harmless food grade stainless steel as raw material, so it can contact with food directly.
- It is easy to clean, customer just need open the tri-clamp and dismantle the flow meter.
- It has current output and pulse output for connecting with PLC or other devices. And user can also read flow measurement by RS485/HART/Profibus.
- Stainless steel material has long service life, and it can be used to measure most of drinks.



Technical Data

Size	DN15-DN200 (1/2"-8")							
Accuracy	$\pm 0.5\%$ of reading at flow rate $\geq~0.5$ m/s, $~\pm 0.2\%$ optional at flow velocity $~\geq~0.5$ m/s							
Velocity	0.1~15 m/s							
Repeatability	≤0.17%							
Structure	Compact / remote, cable length 10m standard, 100m max							
Conductivity	> 5 μS/cm, demineralized water > 20 μS/cm							
Protection Crade	Transmitter: IP65 standard, IP67 optional							
Protection Grade	Sensor: IP65 std, IP68 (submersible, only available for remote type)							
Electrode	SS316L							
Power Supply	85~250 VAC (50/60 HZ), 20~36 VDC							
Power Consumption	<20W							
	Analog 4~20mA (load resistor 0~750Ω)							
Signal Output	Frequency Forward & reverse flow output with a frequency range of 1~5000Hz							
	Alarm Two isolated open collector transistor (OCT) outputs for alarm signals							
Communication	RS485 MODBUS standard, HART, GPRS, PROFIBUS optional							
Display	LCD Display,128X128mm, three lines, 4 buttons							
Ambient Temperature	-20 °C ~60 °C							
Fluid Temperature	Compact: -20℃~80℃, Remote: -20℃~120℃							
Liner material	PFA							
Sensor Material	Measuring tube: SS304							
Sensor iviaterial	Tri-clamp & housing: SS304 standard, SS316 optional							
Transmitter Material	Aluminium alloy with epoxy painting							
Nominal Pressure	1.6 Mpa							
Display	Instantaneous flow, total flow, flow velocity							
Function	High and low alarm, empty pipe alarm, exciting alarm, self-diagnosis							
Totalizer	Three built-in totalizers: forward flow, reverse flow and net flow							
Display Unit	L/s, L/m, L/h, m³/s, m³/m, m³/h, UKG, USG, gal/s, gal/m, gal/h, kg/s, kg/m, kg/h, t/s, t/m, t/h							
Language	English, Chinese, Italian, Portuguese, French, Spanish, Korean							

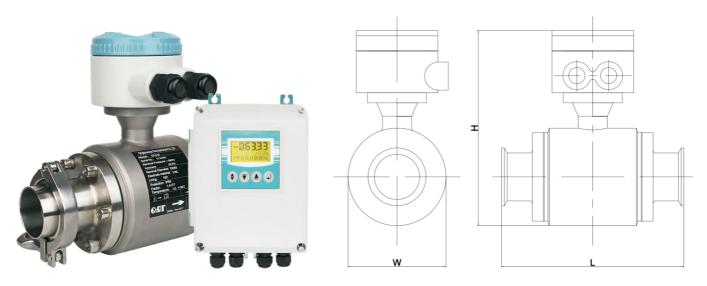




DN15-DN200 (1/2"-8") Sanitary (Tri-clamp) Electromagnetic Flow Meter Drawing (Compact)

Size			- />						
mm	Inch	φA(mm)	φB(mm)	φC(mm)	φD(mm)	E(mm)	H(mm)	L(mm)	
DN15	1/2"	50.5	43.5	16	76	2.85	303	200	
DN20	3/4"	50.5	43.5	19	83	2.85	310	200	
DN25	1"	50.5	43.5	24	83	2.85	310	200	
DN32	11/4"	50.5	43.5	31	94	2.85	321	200	
DN40	1½"	50.5	43.5	35	94	2.85	321	200	
DN50	2"	64	56.5	45	108	2.85	335	200	
DN65	2½"	77.5	70.5	59	115	2.85	342	250	
DN80	3"	91	83.5	72	135	2.85	362	250	
DN100	4"	119	110	98	159	2.85	386	250	
DN125	5"	145	136	129	183	3.6	410	300	
DN150	6"	183	174	150	219	3.6	446	300	
DN200	8"	233.5	225	199	261	3.6	488	350	





DN15-DN200 (1/2"-8") Sanitary (Tri-clamp) Electromagnetic Flow Meter Drawing (Remote)

Size				W(mm)	
mm	Inch	H(mm)	L(mm)		
DN15	1/2"	188	200	76	
DN20	3/4"	191	200	83	
DN25	1"	191	200	83	
DN32	11/4"	202	200	94	
DN40	1½"	202	200	94	
DN50	2"	216	200	108	
DN65	2½"	223	250	115	
DN80	3"	243	250	135	
DN100	4"	267	250	159	
DN150	6"	327	300	219	
DN200	8"	369	350	273	



Selection Table

QTLD/T		Х	Х	Х	Х	Х	Х	Х	Х	Х
Caliber size	DN15-DN200 (1/2"-8")									
Structure	Compact		1							
	Remote	2								
	Compact with explosion p	3								
	Remote with explosion pr	4								
	±0.5%			1						
Accuracy	±0.2%			2						
	Others			3						
	SS316L				1					
Electrode Material	Hastelloy B				2					
Electrode Material	Hastelloy C				3					
	Others				4					
Sensor Material	SS304 1					1				
Sensor Material	SS316 2									
	85~265 VAC						E			
Power Supply	20~36 VDC						G			
	Others						Х			
	4~20 mA + Pulse + RS485 Modbus						Α			
Signal Output /Communication	4~20 mA + HART							В		
	4~20 mA + Profibus						С			
	GPRS							D		
Protection Grade	IP65 Transmitter + IP65 sensor							1		
	IP65 Transmitter + IP68 sensor (remote)							2		
Transmitter	Square						Α			
	Round								В	