HIGHPER F900 Working rules:When the fluid flows through the meter, it drives the impeller inside the meter to rotate. Then, through the magnetic coupling between the impeller and the signal detector, the flow rate of the fluid is converted into an electrical pulse signal output, which is amplified and shaped by the amplifier and transmitted to the display instrument, thereby achieving the purpose of measuring the volume flow or total amount of the fluid.

It can adapt to various calibers and various types of measurement media. Data post-processing and signal remote transmission circuits are divided into three-wire and two-wire systems. The three-wire system can be equipped with RS485 communication and can be powered by batteries. The two-wire system uses 4-20mA current output and can be connected to the original pulse output for calibration only (same current conflict).

Parameters:

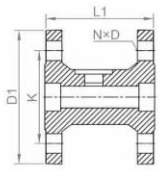
Size	JIS 4-300A
Applicable medium	Fuel,diesel...light oil
Ambient temperature	- 30 ~ + 70) ℃
Relative humidity	5% to 90% Atmospheric
Medium temperature	(- 50 ~ + 100) ℃, (- 50 ~ + 200) ℃
power supply	12 ~ 24VDC/Lithium battery 3.6V
output signal	Pulse/4-20mA/RS485/Hart
Accuracy	0.5%,1%
Proof Grade	IP65
Nominal pressure	1.0MPa 1.6MPa 4.0MPa 6.3Mpa

Model table HIGHPER F900

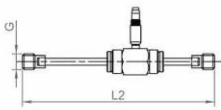
Size
4,6,10,15,20,25...300mm
Body Material
S4:SS304 S6:SS316 O:Other
Process Connection
T:Thread F:Flange C:Clamp
Output
4:4-20mA H:Hart P:Pulse R:RS485 O:Other
Working pressure:
A:0.6MPa B:1.0MPa C:1.6MPa D:2.5MPa E:4.0MPa F:6.3MPa O:Other
Display
D:with LCD display N: No Display
Power Supply
D:24VDC A:85-265VAC B:Battery 3.6V

Connection Structure Size

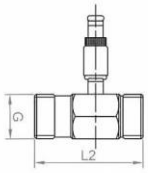
Nominal Size (mm)	Flange Connection					Thread Connection		Clamp Connection	
	L1 (mm)	D1 (mm)	K (mm)	D (mm)	N(hole number)	L (mm)	L(Male Thread)	L (mm)	D (mm)
4						225	G1/2		
6						225	G1/2		
10						345	G1/2		
15	75	95	65	14	4	75	G1	100	50.5
20	85	105	75	14	4	85	G1	100	50.5
25	100	115	85	14	4	100	G1 1/4	100	50.5
32	140	140	100	14	4	140	G1 1/2	120	50.5
40	140	150	110	18	4	140	G2	140	64
50	150	165	125	18	4	150	G2 1/2	150	78
65	170	185	145	18	4			170	91
80	200	200	160	18	8			200	106
100	220	220	180	118	8			220	119
125	250	250	210	18	8				
150	300	285	240	22	8				
200	360	340	295	22	12				



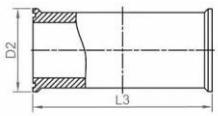
Flange Connection



DN4-DN10 Thread Connection



DN15-DN100 Thread Connection



DN10-DN100 Clamp Connection

Nominal Size (DN) mm	Flow Range (m3/h)		Nominal Pressure (Mpa)
	0.5 Grade	1.0 Grade	
4		0.04-0.25	6.3
6		0.1-0.6	6.3
10		0.2-1.2	6.3
15	0.6 ~ 6	0.4 ~ 6	2.5 6.3 16
20	0.8 ~ 8	0.6 ~ 8	
25	1.2 ~ 12	1.2 ~ 12	
32	1.5 ~ 15	1 ~ 20	
40	3 ~ 30	3 ~ 30	
50	5 ~ 50	5 ~ 50	6.3 2.5
65	7 ~ 70	5 ~ 70	
80	16 ~ 100	12 ~ 120	
100	25 ~ 160	20 ~ 200	
125	30 ~ 250	25 ~ 280	
150	50 ~ 300	40 ~ 400	
200	100 ~ 600	80 ~ 800	
250	160 ~ 1000	120 ~ 1200	2.5
300	250 ~ 1600		
400	400 ~ 2500		
500	600 ~ 4000		

Flow Range