FRINSO BULK WATER FLOWMEETR WITH PLUSE OUTPUT

ISO9001

Remote photoelectric direct reading water meter

Model: FWF15-40 FWF50-200

Application:

This water meter is used to measure the total amount of cold or hot water flowing through the pipe and is suitable for one-way flow.

It uses photoelectric direct reading technology to directly read word wheel data, compared with pulse water meter, the reading error can be reduced to zero. It use low-power design, no need for power supply except when reading or control valve.

Features:

1. Compatible with general protocols or custom protocol.
2. Accuracy is Class B, ISO4064 standard.

Working conditions:

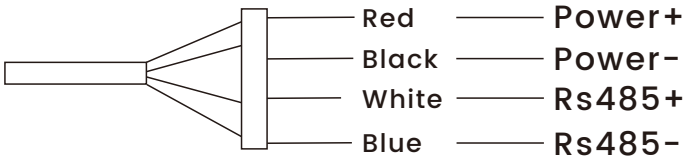
- Cold Water: 0.1~50℃
- Hot Water: 0.1~90℃
- Pressure: 1.6MPa
- Max pressure loss: 0.63MPa

Material: Cast iron body

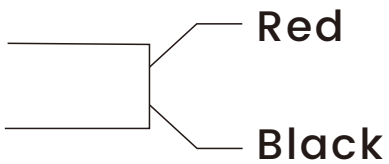
Main technical parameter:

Voltage: Dc24~42V for MBUS, DC9V~24V for RS485
Frequency: 1200bps, 2400bps, 4800bps, 9600bps

Cables connection way:



a)RS485



b)M-bus

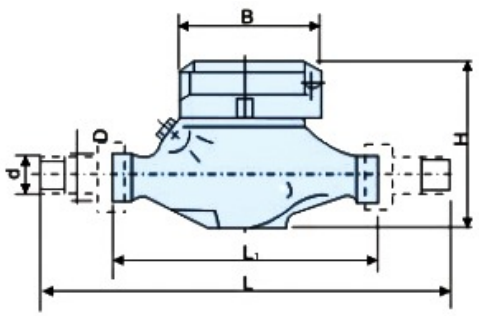
Flow rate parameters:

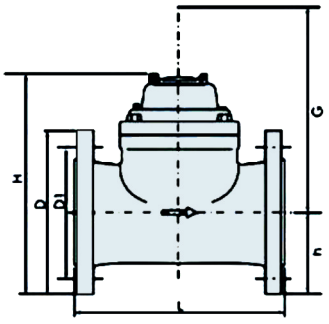
Diameter (mm)	Accuracy Class	Max flow (m³/h)	Common flow (m³/h)	Boundary flow (m³/h)	Mini flow (m³/h)	Mini reading m³	Max reading m³
DN15	B	3.125	2.5	0.05	0.03125	0.0001	99999
DN20	B	5	4	0.08	0.05	0.0001	99999
DN25	B	7.875	6.3	0.126	0.07875	0.0001	99999
DN32	B	12.5	10	0.2	0.125	0.0001	99999
DN40	B	20	16	0.32	0.2	0.001	99999
DN50	B	50	40	0.8	0.5	0.001	99999
DN65	B	78.75	63	1.4	0.79	0.001	99999
DN80	B	125	100	2.0	1.25	0.001	99999
DN100	B	200	160	3.2	2.0	0.001	99999
DN150	B	500	400	8.0	5.0	0.001	99999
DN200	B	800	630	12.6	7.88	0.001	99999

Dimension:

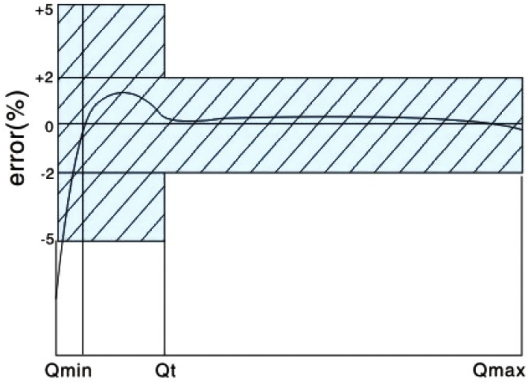
Diameter	DN	15	20	25	32	40
Length	L1 (mm)	165	195	225	230	245
Width	B (mm)	98	98	103	103	125
Height	H (mm)	114	114	114	114	144
Screw	d	R1/2	R3/4	R1	R1 1/4	R1 ½
	D	G3/4	G1	G1 1/4	G1 1/2	G2
Weight	kg	1.2	1.6	2.6	3.2	4.5

Diameter (mm)	Length (Lmm)	Height (Hmm)	Flange			Weight
			Out diameter of flange	Screws distance D1 (mm)	Screws	Kg
50	200	205	165	125	4-M16	10
65	200	218	185	145	4-M16	12.5
80	225	280	200	160	8-M16	13.6
100	250	290	220	180	8-M16	18.3
150	300	320	285	240	8-M20	28
200	350	365	340	295	12-M20	44.8

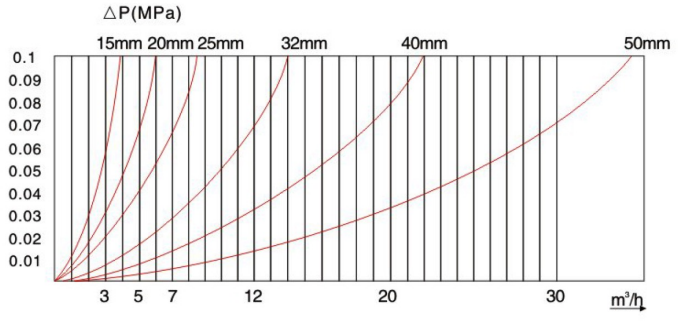




Flow error curve:



Data error curve:



A. Slow flow (Q1≤Q<Q2), Max permissible errors: ±5%

B. Water temperatire≤30℃, Fast flow (Q2≤Q≤Q4), Max permissible errors: ±2;
Water temperatire>30℃, Fast flow (Q2≤Q≤Q4), Max permissible errors: ±3%.

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