

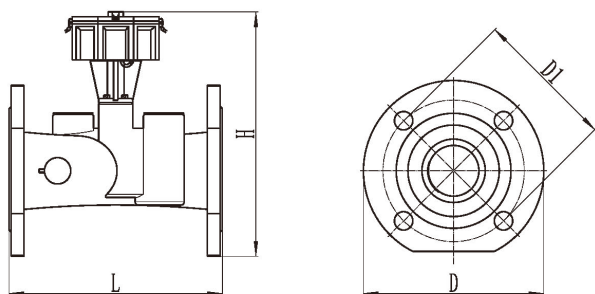
BULK ULTRASONIC WATER METER (K5)



Benefits

- Pipeline with design of fluid-layering dual channel measurement that assure accurate measurement.
- Measuring range ratio(Q3/Q1) is 200.
- Informative indication- display 8 digit cumulative flow and instantaneous flow of 4 digit on the same screen.
- Energy-saving design- start automatic power saving mode under empty pipe or long-term static fluid condition.
- IP68 rating- all components that can operate normally when submerged are hermetically sealed.
- Cumulative records of day,month,year and data-collecting feature.
- Multiple methods of communication interface: GPRS, RS-485,M-bus interfaces supported.
- Support standard communication protocols like Modbus or CJ-188.
- Use of ultrasonic sound flow-measuring technology,can realize multi-dimension installation,does not affect the measurement.
- Built-in high capacity lithium battery life for at least 6 years.
- Pressure sensor can be installed to measure and report water pressure in pipeline.

Outline dimensional drawing



Brief introduction

Adopt Ultrasonic Transit-time Metering Principle, with high measuring accuracy, low power consumption, wide measuring range turn down ratio, stable and reliable performance. IP 68 water proof level

This series solves the issues of traditional water meter like idling, which can not measure small flow and overlarge pressure loss.

It is suited to urban water supply pipe, residential water usage metering, water resources usage monitoring, agricultural irrigation, and also suited to a variety of industrial sites.

Dimension

Nominal Diameter	Length L	Height H1	Conenction flange		
			Flange diameter D	Bolt circle diameter D1	Bolt size (n-M)
50	200	215	165	125	4-M16
65	200	220	185	145	4-M16
80	225	235	200	160	8-M16
100	250	255	220	180	8-M16
125	250	285	250	210	8-M16
150	300	335	290	240	8-M20
200	350	405	340	295	12-M20
250	450	470	405	355	12-M24
300	500	525	460	410	12-M24

Technical specifications

Item	Unit	Details								
		50	65	80	100	125	150	200	250	300
Nominal diameter	mm	50	65	80	100	125	150	200	250	300
Q3/Q1		R200								
Overload flow(Q4)	m³/h	31.25	50	78.75	125	200	312.5	500	787.5	1250
Nominal flow(Q3)	m³/h	25	40	63	100	160	250	400	630	1000
Transitional flow(Q2)	m³/h	0.25	0.4	0.63	1	1.6	2.5	4	6.3	10
Minimum flow(Q1)	m³/h	0.16	0.25	0.4	0.63	1	1.6	2.5	4	6.3
Accuracy class		Class 2								
Temperature class		T30								
Pressure class		MAP10								
Pressure loss class		ΔP63								
Flow prefile sensitivity class		U10/D5								
Environmental class		Class B,M1								
Static current	uA	<20								