

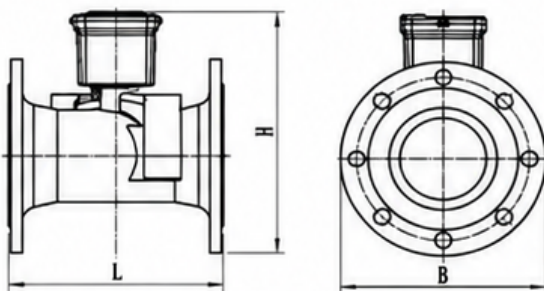
BULK ULTRASONIC WATER METER (SH7650)



Features

- Low starting rate (33L/h), able to accurate measure Flowrate as low as 100L/h.
- Dynamic range (Q3/Q1) achieved 250:1;(R400 optionaloptional).
- No mechanical moving parts, no abrasades and has a long serving lifetime.
- No measurement of air.
- Mounting in any installation position.
- Displaying of error and alarm codes.
- Optional battery provision.
- Support RS485/Pulse/LoRaWAN/GPRS/NB-IOT communication.
- Suitable for outdoor installation.
- IP68 waterproof level.

Outline Dimension



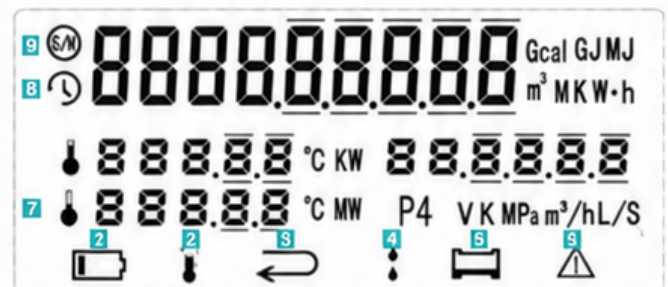
Nominal Diameter(mm)	50	65	80	100	125	150	200	250	300	350	400
Length L(mm)	200	200	225	250	250	300	350	450	500	500	600
Width B(mm)	170	185	200	220	250	285	340	405	460	520	580
Hight H(mm)	215	220	235	255	285	335	405	470	525	520	580
Flange Diameter	170	185	200	220	285	385	305	405	460	520	580
Bolt Circle Diameter	125	145	160	180	210	240	295	355	410	470	525

Overview

No Moving Parts, high accuracy for years' long.

None moving components in flow sensor, avoid long term abrasion of mechanical parts which may result to inaccuracy measurement and failure of meter. Such design is also resistant to impurities, therefore no-inspections and maintenance cost-free.

Outline Dimension



- | | | |
|-------------------|---------------------|---------------------|
| 1 Battery voltage | 4 Drip or leak | 7 Water temperature |
| 2 Sensor failure | 5 Not full of water | 8 Time |
| 3 Reverse flow | 6 Fehler/Alarm | 9 Meter address |

Interface

The ultrasonic water meter will have one of the many options output pre-selected when placing the order. Support such as LoRa/LoRaWAN/NB-IOT/RS485 etc.

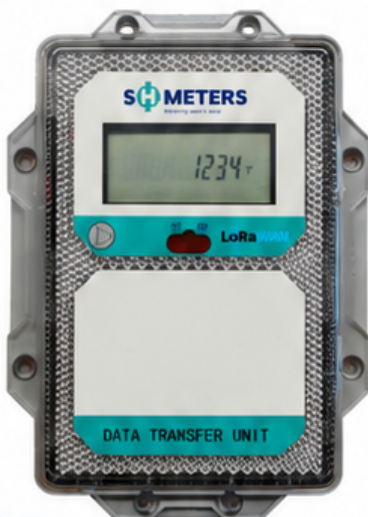


Technical Specifications

Overview

Nominal diameter(mm)	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Max flow Q4(m³/h)	31.25	50	78.75	125	200	312.5	500	787.5	1250	2000	3125	3125	5000	7875
Nominal flow Q3(m³/h)	25	40	63	100	160	250	400	630	1000	1600	2500	2500	4000	6300
Transitional flow Q2(m³/h)	0.16	0.256	0.4	0.64	1.024	1.6	2.56	4.03	6.4	10.24	16	16	25.6	40.3
Min flow Q1(m³/h)	0.1	0.16	0.252	0.4	0.64	1	1.6	2.52	4	6.4	10	10	16	25.2
Protection class	IP68													
Measuring range	Q3/Q1 R250 / R400													
Accuracy class	Class 2													
Battery life	>8years													
Temperature class	T50													
Pressure loss class	ΔP63													
Flow profile sensitivity class	U10/D5													
Electromagnetic environment class	E1													
Working pressure	1.6Mpa													
Max flow indication(m³)	9999999.9													
Reverse flow indication(m³)	9999999.9													
Installation position	Horizontal or Vertical													

Lorawan DTU Parameter



Communication method: lorawan



Frequency band: 868MHz



Mode: Class A



Protection level: IP68



Battery: ER34615*2



Battery life: ≥8 years



Data transmission: 1 time/day (automatic reporting, time adjustable)



Includes burst pipe and leak detection alerts

