



# RESIDENTIAL ULTRASONIC WATER METER

Shape Future Water Supply



## General Introduction

U-WR is Viewshine's residential ultrasonic water meter with cutting-edge technology. It solves the problems that mechanical water meters encountered in the past. With no moving parts, U-WR gains accurate measurement and life-long precision. Its technology detects lowest flow rate and provides customers with the best solution to non-revenue water. Multi-communications make U-WR become a smart data terminal, which is ready to embrace the challenges of future water metering networks.



## Outstanding Performance

With extraordinary measurement performance, U-WR represents the current advanced ultrasonic water meter technology. U-WR is to enable our customers to accelerate their businesses, with higher accuracy, wider dynamic range and easier installation.

- R400
- U0/D0
- Lowest flow rate: 2 L/h
- Vertical and horizontal installation
- No air measurement



## Wireless Communication

U-WR couples with popular and advanced radio Communication (NB-IoT / LoRa RF) to provide the foundation for AMI network.



## Non-Revenue Water Protection

Integrated with smart wireless communication, data analysis and outstanding metrological performance, U-WR significantly reduces non-revenue water and gains more benefit for utility.



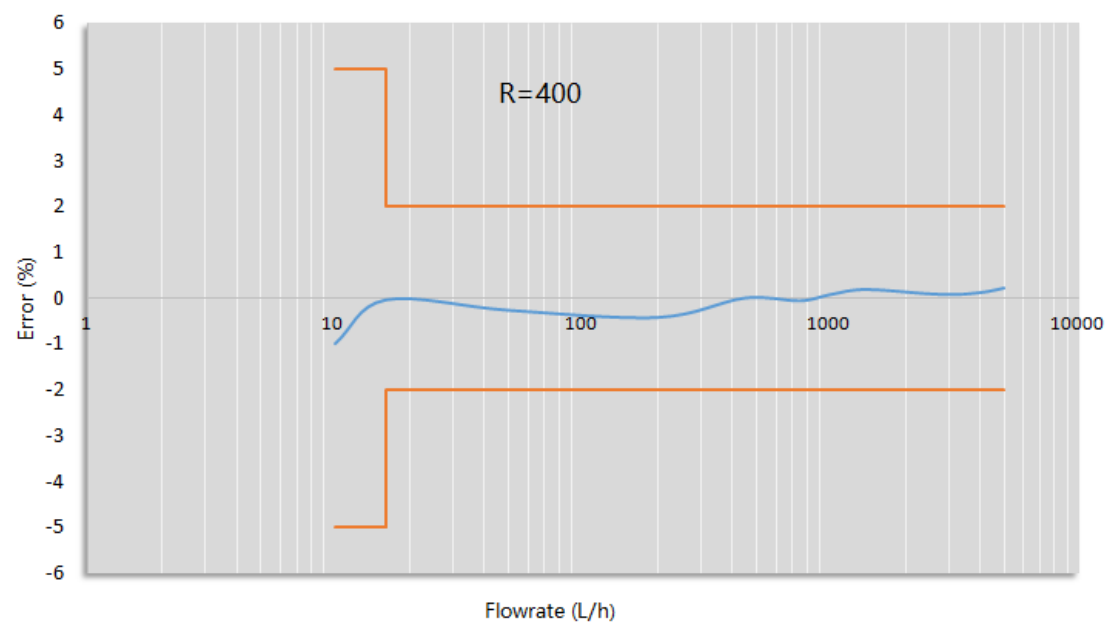
## Long lifetime/Stable Accuracy

With innovative design, U-WR holds a lifetime of 12+ years which is twice longer than normal mechanical water meter's. Without moving parts, U-WR keeps stable accuracy and maintenance-free in its full lifespan.

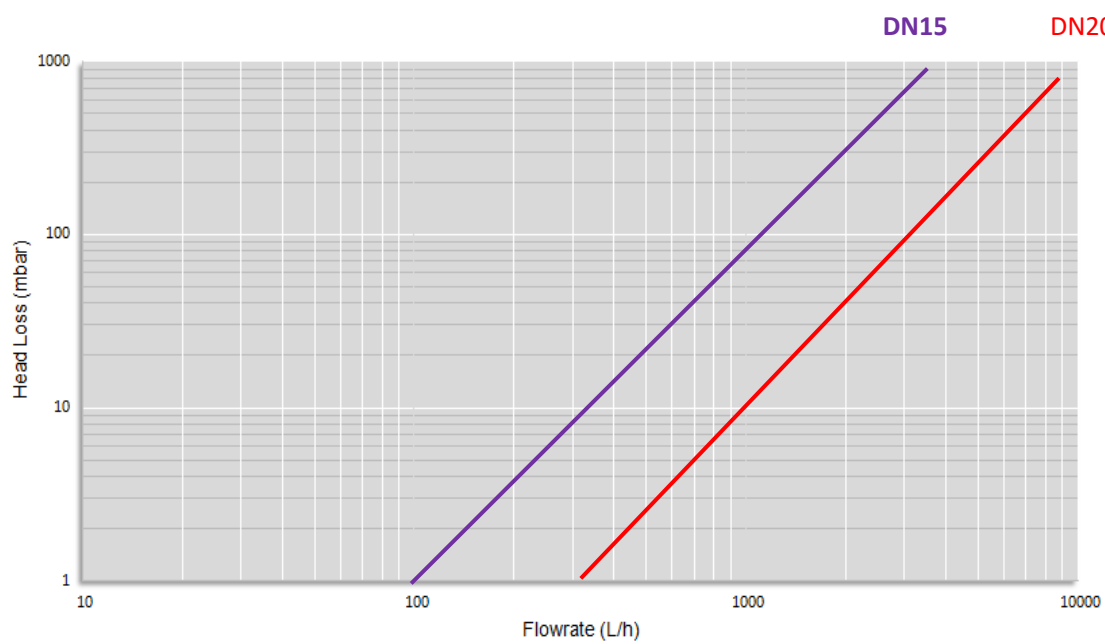
## Technical Data

	DN15	DN20
Range and Capacities		
Q3	2.5 m³/h	4.0 m³/h
Q4	3.125 m³/h	5.0 m³/h
Q2	10 L/h	16 L/h
Q1	6.25 L/h	10 L/h
Qstart	2L/h	
Dynamic Range	R250/R400	
Standard	ISO4064:2014/ OIML: R49-2013	
Electrical		
Battery	3.6V, Li-battery	
EMC	E1	
Mechanical		
Environmental Classification	Outdoor	
Protection Class	IP68	
Medium Temperature	0.1~50°C(T50)	
Storage Temperature	-25~60°C	
MAP	PN16	
Metrological		
Accuracy	±5% in range Q1≤Q<Q2 ± 2% in range Q2≤Q≤Q4	
Head Loss	0.4bar @ Q3	
Communication		
LoRa RF	LoRaWAN Class A	
NB-IoT	Standard	
Pulse Output	Customized	

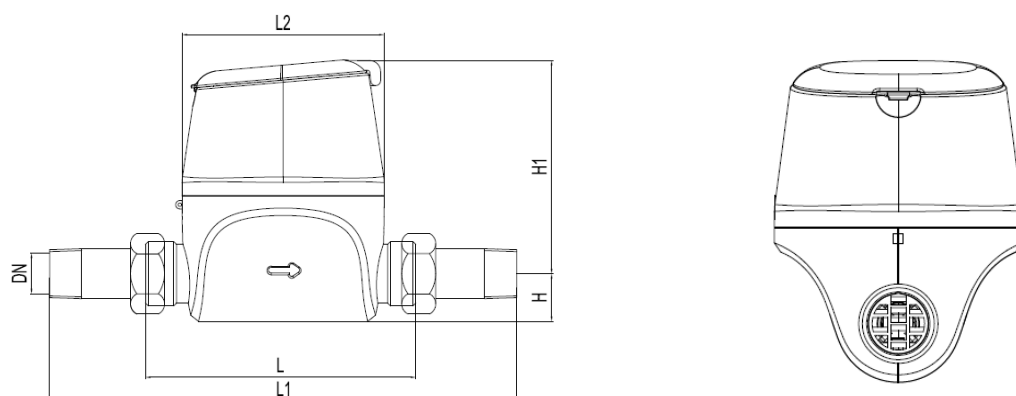
ACCURACY CURVE



HEAD LOSS



## DIMENSION



DN	L (mm)	Meter Thread	Pipe Thread	Extension Pipe Used	L2(mm)	H(mm)	H1(mm)	Type
15	110	G $\frac{3}{4}$ B	R $\frac{1}{2}$	None	82	19.5	87	A1
	130	G $\frac{3}{4}$ B	R $\frac{1}{2}$	G $\frac{3}{4}$ B x 20	82	19.5	87	B1
	165	G $\frac{3}{4}$ B	R $\frac{1}{2}$	G $\frac{3}{4}$ B x 55	82	19.5	87	C1
	190	G $\frac{3}{4}$ B	R $\frac{1}{2}$	G $\frac{3}{4}$ B x 80	82	19.5	87	D1
20	110	G1B	R $\frac{3}{4}$	None	82	22	90	A2
	165	G1B	R $\frac{3}{4}$	G1B x 55	82	22	90	C2
	190	G1B	R $\frac{3}{4}$	G1B x 80	82	22	90	D2
	220	G1B	R $\frac{3}{4}$	G1B x 110	82	22	90	E2

For more details, please contact us using the information below.

Flowmetersthai Co.,Ltd.

555/100 B-Avenue, Sukhapiban 5 Rd.Au-Ngen, Saimai Bangkok 10220

Tel. 02-192-5930 - 5 Fax. 02-192-5932

Email : sales@flowmeters.co.th Website : www.flowmeters.co.th ,www.flowmeters-thai.com