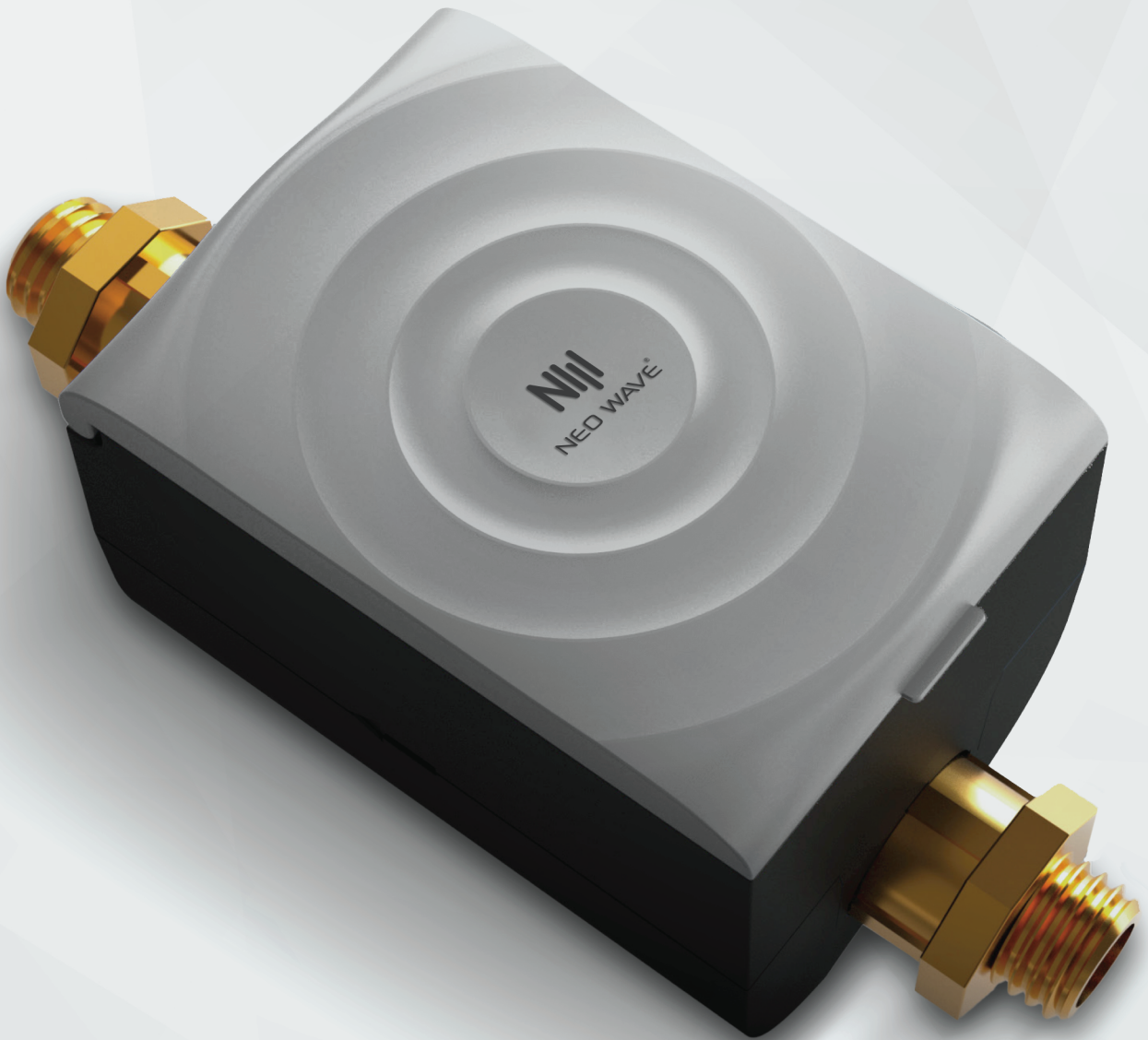




NEO WAVE®

UTW19

ULTRASONIC WATER
METER



[neowave.tech](https://www.neowave.tech)

Remote Reading Ultrasonic Water Meter, developed for residential application

Qi: 0.005-0.032m³/h

Supporting M-Bus, RS485, Pulse, LoRaWAN, NB-IoT, Sigfox

This time, a next-generation ultrasonic water meter **UTW19** is released after Neowave engineers two years dedication. A fresh new firmware enabling an overall power consumption lowering by 18 percent. With same battery plan, **UTW19** offers our customer a longer period measurement on various communications.



Working together with AMI System, **UTW19** is able to collect and analyze over millions users water consuming data. Neowave engineers are able to optimize the meter metrology and communication by utilizing these big data. Utilities also upgrade their water supply network with the help of these water consumption data.

Big but hale, or Performance Monster? **UTW19 satisfy you all.**



High temperature



High humidity



UV

'No trouble, no fear'.
We build highly coordinated metering solution for our esteemed customers.
consistently to make **UTW19** renew like original.

Streamline top cover coloring in ocean blue, let every opening be a new experience.

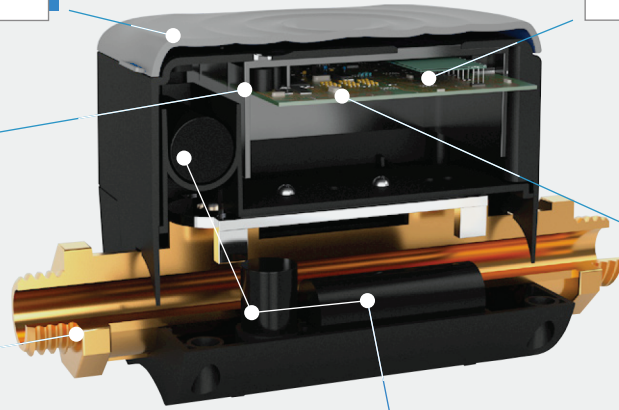
Simple but comprehensive LCD design, making exploration of UTW19 to be full of fun.

Once again upgraded photosensitive technology, make new surprise on next touch.

High precision measuring technology, when water flow across, every single drop of water is carved in my heart.

Simply install on the proper position, leave the remaining work to UTW19.

Small body, big energy. Flexible lithium battery setting avoiding failure of the entire meter upon only one set of battery problem.



1. Flexible Battery Life Span

6-16 years



UTW19 has no moving parts, presents as IP68, and its body is fabricated from durable brass material. This robust design makes the UTW19 maintenance-free and highly precise throughout its flexible 6/ 10/ 16 years battery life depends upon customer needs.

2. Battery Replaceable

Battery is able to get replaced in case of failure of battery sets. This action can be treated by professional engineers without any injection on electronic parts.



3. Proof of Humidity, Water and UV.

UTW19 is specially designed for extreme complex environment which has high humidity, high UV.

4. IoT Ready

UTW19 supports multiple communication interfaces for both wired and wireless which suitable for any type of installation environment, e.g. M-Bus(EN1434), RS485 (Modbus), Pulse, LoRaWAN, Sigfox, NB-IoT. Leak detection function inside meter help troubleshooting, end- service and saving the most important source of life, water.

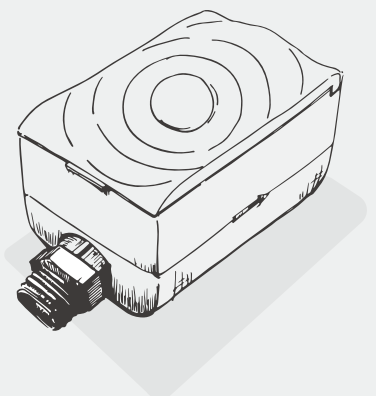


5. Multiple Dynamic Range Options

Application for multiple requirements. R160/ R200/ R250/ R400/ R500. Able to count every drop of water.

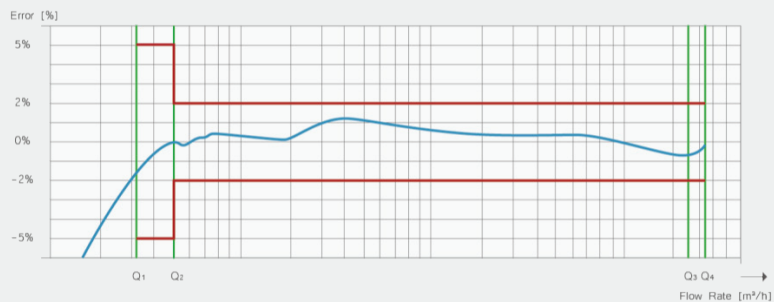
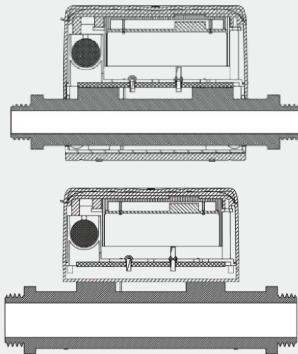
6. Exceptional Industry Design

Golden ratio of Length-Width-Height, splendid color assortment with Ocean Blue & Night Sky Black. Anti-dirty enclosure ensures long duration of tidy outlook same as original meter.



MODEL	UTW - 15	UTW - 20	UTW - 25	UTW - 32	UTW - 40
Pipe Diameter	DN15	DN20	DN25	DN32	DN40
Q ₁ (m ³ /h) _{@R500}	0.005	0.008	0.0126	0.02	0.032
Q ₂ (m ³ /h)	0.008	0.0128	0.02016	0.032	0.0512
Q ₃ (m ³ /h)	2.5	4.0	6.3	10	16
Connection	G¾"	G1"	G1¼"	G1½"	G2"
Length (mm)	165	195	225	180	200
Width (mm)	81	81	81	81	81
Height (mm)	100	100	118	128	135
Temperature	<ul style="list-style-type: none"> ● Medium Range: 0.1°C.....30/ 50/ 70°C (T30 /T50 /T70) ● Ambient temperature: 5~55 °C ● Storage temperature: -20~60 °C 				
Materials	Brass 59-1				
Metrological Class	Class 2 R160/ R200/ R250/ R400/ R500				
Maximum Operation Pressure	1.6 MPa				
Pressure Loss	ΔP≤40kPa				
Pressure Stage	PN16				
Protection Class	IP68				
Stream Field Sensitivity	U5/ D3				
Battery (Optional)	6/ 10/ 16 years service life				
Data Storage (Optional)	24/ 120 logs, daily/ weekly/ monthly.				
Environmental Requirement	E1, M1, B				
Interface & Communication (Optional)	<ul style="list-style-type: none"> ● M-Bus ● Pulse output ● RS485 ● LPWAN (LoRaWAN, NB-IOT, Sigfox) 				
Installation	360 degree				
Display and Indication	<ul style="list-style-type: none"> ● Unit: L/ m³/ Gal (Optional) ● LCD: 8-digit 				
Standard Compliance	<ul style="list-style-type: none"> ● EN14154 ● ISO4064 ● OIML R49 				

UTWI9 Ultrasonic Water Meter Accuracy Curve



WHY CHOOSE Neowave Technology?

When it comes to water flow measurement, Neowave is the one of the most excellence. And we want to explain why you should trust us when we say that choosing a Neowave products equals choosing reliability.

In our manufacturing plant, you will find a dedicated research and development team that gives us the ability to face your local needs and challenges head-on—regardless of size or requirements. And thanks to our in-house laboratories and highly-skilled engineers, we can develop innovative and user-friendly products faster than ever. A manufacturing capacity reaching millions of units in our plant ensuring on-time delivery, and meanwhile Neowave ensures the highest level of quality and reliability through standards such as ISO 9001 and ISO 14001.....



Despite all attempts to guarantee accuracy in this specification, Neo Wave cannot be held liable for any damage injury, loss, or expense due to errors or omissions. Product specification and design might change without prior notice in pursuit of technical enhancements.

For technical support please contact: support@neowave.tech

www.neowave.tech