

U40 ULTRASONIC WATER METER



Model-U40 Series

FEATURES

- Double pipes measuring, high accuracy and reliability.
- Redundant. The meter can operate properly when there is blockage or fault with one of the two pipes.
- Smart alarm of flow Sensor error, temperature sensor error. Short circuit, overload, low battery
- Patented flow measuring method and smart data error correcting technology, super accuracy and stability.
- High resolution 9 digits LCD display.
- Pressure sensor optional, for measuring water supply pressure in the pipes network.
- Built-in 4G or NB-IoT communication mode available

Digital Display



SELECTION PARAMETERS

* The Data is Given on base of R200 as an Example*

MODEL	Normal Diameter	Permanent Flow Rate	Transitional Flow Rate	Minimum Flow Rate	Flange Diameter	Meter Length	Connection Bolt
	DN(mm)	Q _p (m³/h)	Q _t (m³/h)	Q _m (m³/h)	(mm)	(mm)	
DN50	50	25	0.20	0.125	165	200	4*M16
DN65	65	40	0.32	0.200	185	200	4*M16
DN80	80	63	0.50	0.315	200	225	8*M16
DN100	100	100	0.80	0.500	220	250	8*M16
DN125	125	160	1.25	0.800	250	250	8*M16
DN150	150	250	2.00	1.250	285	300	8*M20
DN200	200	400	3.20	2.000	340	350	12*M20
DN250	250	630	5.00	3.150	450	450	12*M24
DN300	300	1000	8.00	5.000	460	500	12*M24
Parameters	Accuracy : 2% Temperature Class : T30 Ambient Class : Class O Protection Class : IP68 Flow Section Sensitivity Level : U5/D3 Pressure Resolution: 0.1MPa						
	Pressure Class : MAP16 Pressure Loss Class : Δp40 EMC Level : E1 Installation Mode : H/V Dynamic Range : 125~400 Pressure Measuring Range: (0-1.6)MPa						

COMMUNICATION MODES



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ORDER CODE

The diagram illustrates the breakdown of the ORDER CODE **U40 XX-XX-X X-X-X** into six fields:

- 1- Meter Type** ← (points to the first two digits, **U4**)
- 2-Communication Protocol** ← (points to the next two digits, **XX**)
- 3-Area of Usage** ← (points to the next two digits, **XX**)
- 4-Flow rate**← (points to the next two digits, **X X**)
- 5-Size**← (points to the final digit, **X**)
- 6- Range**← (points to the final digit, **X**)

Meter Type	Order Code
Ultrasonic	1

Ultrasonic

Protocol	Order Code
No protocol	0
M bus	1
Modbus	2
4G	3
NB-IoT	4

Flowrate m ³ /h	25	40	63	100	160	250	400	630	1000
Order Code	A	B	C	D	E	F	G	H	I

Size DN	50	65	80	100	125	150	200	250	300
Order Code	A	B	C	D	E	F	G	H	I

Range	Order Code
200	R1
500	R2

For Example:

Order ID U4011-DD-BB-R1 stands for Flow meter ultrasonic type , Mbus interface, Domestic Drinking water , Flow rate 40M3/h, Size DN 65, Range 200.

TECHNICAL PARAMETERS

Item	Parameter
Accuracy	Class 2
Ambient Class	Class O
Flow Section Sensitivity Level	U5/D3
Pressure Resolution	0.1MPa
Temperature Class	T30
Protection Class	IP68
Pressure Class	MAP16
EMC Level	E1
Dynamic Range	125 to 400
Pressure Measuring Range	0-1.6 MPa
Pressure Loss class	△P40
Installation Mode	H/V

