



ULTRASONIC WATER METER



**Model No.
UPC-UWM-220**

HSN CODE: 90261010

UPC Instruments Pvt. Ltd.

An ISO 9001:2015, 14001-2015 CE & TÜV SÜD Certified Company

ULTRASONIC WATER METER UPC-UWM-220



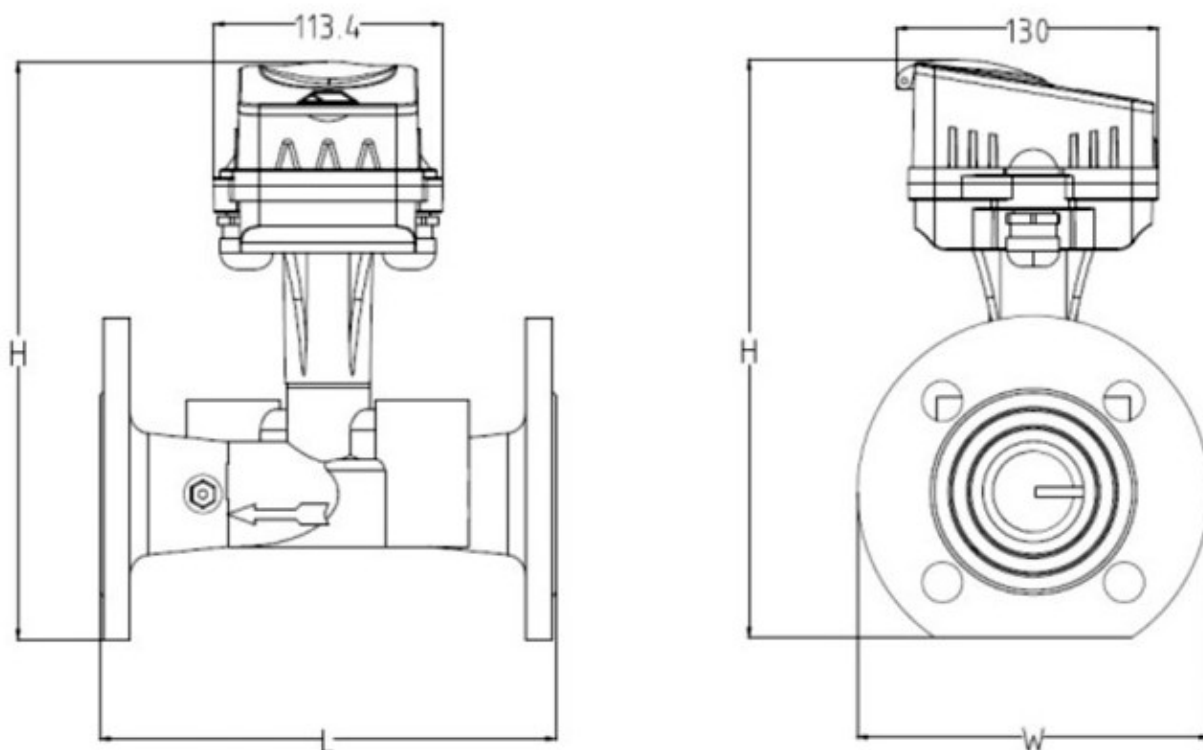
MAKE: “UPC”

“UPC-UWM-220” Ultrasonic water meter is based on ultrasonic technology that detects the time difference caused by the change of the speed when the ultrasonic beam propagates in the opposite direction of the water, and analyzes and processes the flow rate of the water to further calculate the flow rate of the water.

Technical Specifications

Sr.no.	Parameters	
1	Measurement	: $Q2 \leq Q \leq Q4 \pm 2\%$
2	Accuracy	: $Q1 \leq Q \leq Q2 \pm 5\%$
3	Range Ratio	: $Q3/Q1=250$, $Q2/Q1=1.6$, $Q4/Q3=1.25$
4	Connection	: flanged joint
5	Pressure Loss	: $\Delta p40$
6	Pressure Level	: MAP10 or MAP16
7	Data storage	: Data storage for continual 18 months
8	Power-off Protection	: The data of accumulated flow and corresponding time will be saved once power failure takes place, and the meter works automatically as soon as the power restoration
9	Remote Transmission	: Standard infrared, M-bus Remote Transmission (Rs485 can be customized), Pulse Output, 4-20mA output
10	Power Supply	: Lithium Battery Power Supply/M-bus Remote Power Supply
11	Protection Class	: IP68
12	Working Environment	: Temperature $-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$ Environment Relative Humidity: $<90\%$
13	Installation	: Horizontal or Vertical
14	Service Life	: Lifetime ≥ 6 years

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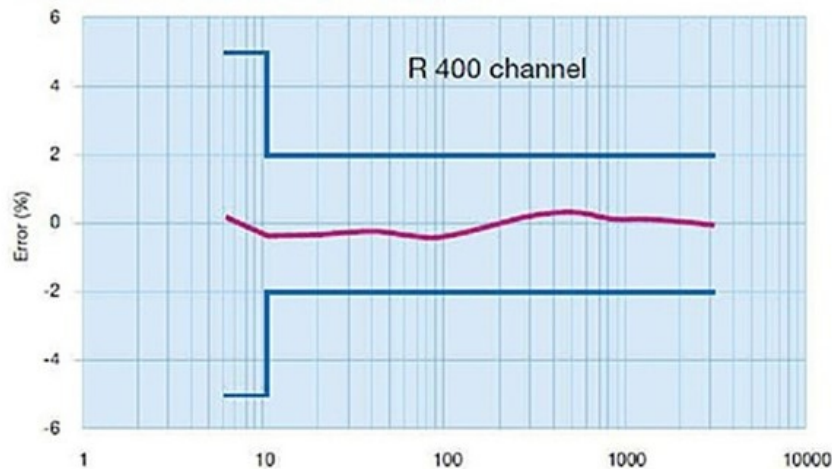


FLOW RANGE

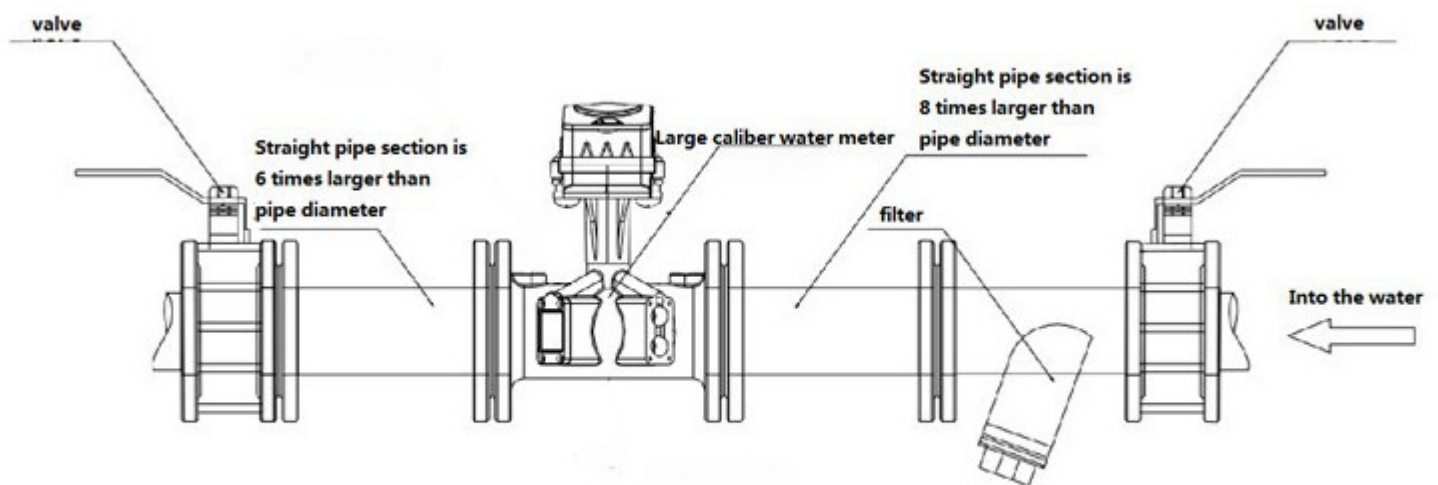
Diameter	Permanent Q_3 (m ³ /h)	Transitional Q_2 (m ³ /h)	Minimum Q_1 (m ³ /h)	Overload Q_4 (m ³ /h)	mm (L)	Pulse Equivalent
DN40	32	0.208	0.120	40	200	10
DN50	40	0.256	0.160	50	200	10
DN65	63	0.403	0.252	78.75	200	10
DN80	100	0.640	0.400	125	225	10
DN100	160	1.024	0.640	200	250	10
DN150	250	1.600	1.000	312.5	300	10

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TYPICAL ACCURACY CURVE Q3=2,5 M³/H



INSTALLATION



The arrow of the case is consistent with the direction of water flow in the pipeline, and a control valve should be installed upstream of the water meter to facilitate the maintenance of the water meter.

WARRANTY

All meters are warranted against any manufacturing defect for a period of 12 months from date of supply, provided the meter has not been misused, damaged, installed for services it is not recommended or the seal has been tampered with. The company shall be liable to furnish part/ parts thereof or full water meter as the company may deem fit.

UPC INSTRUMENTS PVT.LTD.

AN ISO 9001:2015, 14001:2015 CE & TÜV SÜD CERTIFIED COMPANY

Office: Plot No. 18, Towel Market, Gohana Road, Panipat-132103 (HARYANA)

Manufacturing Unit: Plot no.125, Near Tehsil, Dinger Majra Road, Gharaunda, Karnal-132114 (HARYANA)

✉ : info@unitechmeter.com ✉ : ho@unitechmeter.com 🌐 : www.unitechmeter.com

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