

Ultrasonic Water Meter USWM-2400



This water meter is designed for ground water extraction Pump water metering as well as Gravity flow pipes due to its excellent rangeability. The meter carries following salient features and is a complete “make In India” product.

Features

- ❖ Meets CGWA water metering guidelines for ground water extraction as follows

Water Meter specs

- Stable long term performance
 - Meets ISO4064-2014 standard accuracy with NABL calibration certificate.
 - Tamperproof Logged data storage for more than one year in the meter itself.
 - Self-Powered for >5 years with GPRS & Cloud based Data Log(optional)
 - Built in Data logger for One year
 - Blue tooth For Logged data Retrieval
 - IP68 Submersible to 1mtr depth
 - Modbus communication option
- Operates with externally powered (24 V) modem support (Optional)

For Telemetry Option :

- MeitY approved Cloud service support.
- Two Year memory of Water extraction record on Cloud
- Total flow & water rate indication select by mag-pen
- Available for pipe sizes from ½” NB(DN15) to 3” (DN 80) With Easy to install, Modified grooved coupling
- Higher than 4” (DN100) with Flanged end connection
- Fully Made in India product



Specifications:

Pressure Rating : Pressure rating : 16 bar at 50 Deg C max
Flanges – BS /ASA Other options as required

Operating Temperature of Medium : 0 to 50 Deg. C_

Operating Temperature of Instrument : 0 to 55 Deg. C

Specifications: (Contd.)



Display: 9 digit Numeric LCD with decimal point & symbols for units, errors, Network etc.

Battery life : 5 years typical for Water meter
5 year with one transmission per day for Telemetry
Battery warranty two years

Flow Discharge Table: As per ISO4064-2014 given below

m3/h		Minimum	Transition	Permanen	Overload
size	Int Dia	Q1	Q2	Q3	Q4
DN15	15	0.0562	0.09	2.25	2.8
DN20	20	0.1	0.16	4	5
DN25	25	0.1562	0.25	6.25	7.8
DN40	40	0.4	0.64	16	20
DN50	50	0.625	1	25	31.25
DN80	80	1.6	2.56	64	80
DN100	100	2.5	4	100	125
DN125	125	7.8125	12.5	156	195.3125
DN150	150	11.25	18	225	281.3
D200	200	20	32	400	500.0
D250	250	31.25	50	625	781.3
D300	300	45	72	900	1125.0
D350	350	61.25	98	122	1531.3
D400	400	80	128	160	2000.0
D500	500	125	200	250	3125.0

Measurement accuracy :

As per ISO4064:2014 (+/-2% for >Q2, +/-5% < Q2) meets CGWA specs

$R = Q3/Q1 = 40$ $Q2/Q1 = 1.6$ $Q4/Q3 = 1.25$

$Q3 / Q2$ is 2% of flow rate $Q2 / Q1$ is +/-5% of flowrate (R= 20 option available for Pump flow)

Dimensional details (without end flanges)

Size in inch	Size in mm	Lmax mm	Hmax mm	Wmax mm
8"	200	400	390	270
6"	150	400	350	220
4"	100	300	290	170
3"	80	300	275	145
2"	50	200	265	125
1 1/2"	40	200	260	125
1"	25	160	255	125
3/4"	20	130	250	125
1/2"	15	110	245	125

Designed Manufactured by



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Specifications may change due to continued development efforts.