

BAYLAN

WATER METERS

Ultrasonic LoRa

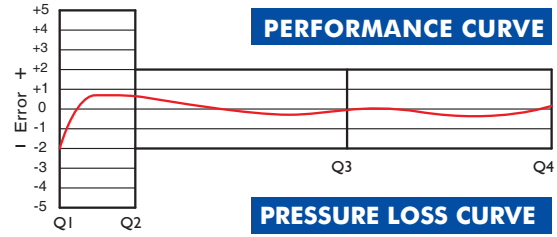
Prepaid Water Meters



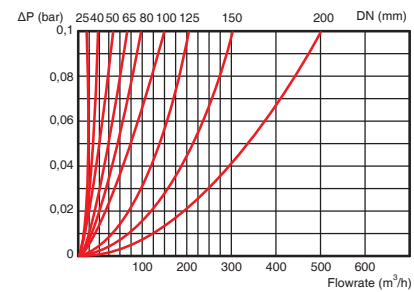
GENERAL

- MID Certified • Very good sensitivity in initial starting • Suitable for potable water
- Integrated Lora module-chipset allows both LORA and FSK modulation
- Supports LoRaWAN™ - Class A Protocol
- Supports Wireless MBUS Protocol
- Supports LoRaWAN™ and Wireless MBUS Protocols simultaneously (Optional)
- Suitable for irrigation water purposes • No measurement of air
- Reverse flow detection • Parametric 2 pulse outputs
- Can be mounted all positions desired
- IP 68 protection class • 3 years of warranty
- Lithium battery, 10 years lifetime
- Due to the lack of moving parts, high measurement accuracy parameters, which is not possible to modify externally
- Via the LCD display providing access to meter data for Billing and check out

PERFORMANCE CURVE



PRESSURE LOSS CURVE



MAIN TECHNICAL DATA

At low flows : $\pm 5\%$ (error) between minimum flow rate (Q_1) and transitional flow rate (Q_2)
 At high flows : $\pm 2\%$ (error) between transitional flow rate (Q_2) and overload flow rate (Q_4)
 Max. Working Temperature : 50°C
 Max. Working Pressure : 16 bar

METER SIZE DIA (mm)	TYPE	Q_3 / Q_1	Q4 MAX FLOW	Q3 NOMINAL FLOW	Q2 TRANSITIONAL FLOW	Q1 MIN. FLOW	SMALLEST READING RESOLUTION	MAX. REGISTRATION CAPACITY
			m^3/h					
25	U 3	≤ 500	7,875	6,3	0,020	0,0126	0,00001	999999
40	U 5	≤ 500	20	16	0,0512	0,032	0,00001	999999
50	UW 6	250 / 315 / 400	31,25	25	0,160 / 0,127 / 0,100	0,100 / 0,079 / 0,063	0,00001	99999999
65	UW 0	250 / 315 / 400	50	40	0,256 / 0,203 / 0,160	0,160 / 0,127 / 0,100	0,00001	99999999
80	UW 1	250 / 315 / 400	78,75	63	0,403 / 0,320 / 0,252	0,252 / 0,200 / 0,158	0,00001	99999999
100	UW 2	250 / 315 / 400	125	100	0,640 / 0,508 / 0,400	0,400 / 0,317 / 0,250	0,00001	99999999
125	UW 3	250 / 315 / 400	200	160	1,024 / 0,813 / 0,640	0,640 / 0,508 / 0,400	0,00001	99999999
150	UW 4	250 / 315 / 400	312,5	250	1,600 / 1,270 / 1,000	1,000 / 0,794 / 0,625	0,00001	99999999
200	UW 5	250 / 315 / 400	500	400	2,560 / 2,032 / 1,600	1,600 / 1,270 / 1,000	0,00001	99999999

DIMENSIONS & WEIGHTS

METER SIZE DIA (mm)	L LENGTH	B WIDTH	H HEIGHT	CONNECTING FLANGE			PACKAGE WEIGHT (Without Flange) (kg)	PACKAGE WEIGHT (With Flange) (kg)
				D2 (mm) FLANGE DIA	D1 (mm) BOLT CIRCLE DIA.	CONNECTION BOLT (PCS-DIA)		
25	265	113	155	G1 1/4 B	-	-	2,31	2,75
40	415	120	238	G2 B	-	-	10,00	11,00
50	410	165	275	165	125	4 - M16	25,8	30,3
65	475	185	315	185	145	4 - M16	35,4	40,6
80	505	205	315	200	160	8 - M16	45,65	52,25
100	570	220	345	220	180	8 - M16	57,05	64,3
125	670	300	430	250	210	8 - M16	116,8	127,5
150	720	380	445	285	240	8 - M20	127,4	139,9
200	850	370	530	340	295	8 - M20	209	227

"Due to continuous development of our products, we reserve the right to modify our product design or construction without prior notice."