

BAYLAN

WATER METERS

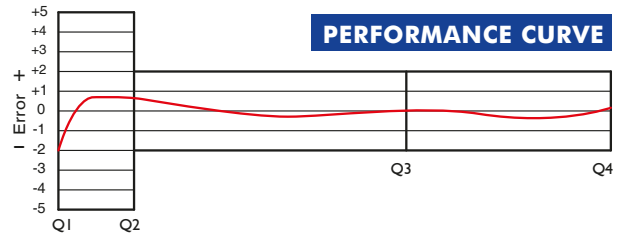
Ultrasonic Water Meters



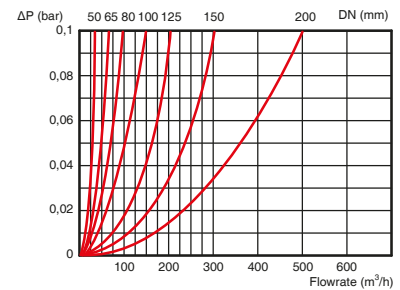
GENERAL

- MID Certified • Very good sensitivity at starting flow • Modbus or M-Bus interfaces (Optional)
- Ultrasonic working principle assures very high sensitivity even at low flow
- Reading through the center of the GPRS system, the collector of conformity (Optional)
- Integrated LoRa® module-chipset allows both LoRa® and FSK modulation (Optional)
- Via the LCD display providing access to meter data for billing and check out • Parametric 2 pulse outputs
- Meters are protected against tampering by Seal Stickers with BAYLAN brandname hologram, approved by Metrology Institute
- Radio Frequency automatic remote reading (Optional)
- Suitable for potable water • Advanced service network
- Suitable for cold water up to 50°C
- No measurement of air • Reverse flow detection
- Wide dynamic measuring range and low pressure loss
- Can be mounted all positions desired
- IP 68 protection class
- Calibration is done inside the electronic circuit digitally by software parameters, which is not possible to modify externally
- Lithium battery, 10 years lifetime • 3 years of warranty
- Service and spare parts available for 10 years

PERFORMANCE CURVE



PRESSURE LOSS CURVE



MAIN TECHNICAL DATA

Max. Permissible Error in Upper Flow Rates $Q2 \leq Q \leq Q4$:
 Class 1 Meters: $\pm 1\%$ (Water Temperature $\leq 30^\circ\text{C}$), $\pm 2\%$ (Water Temperature $> 30^\circ\text{C}$)
 Class 2 Meters: $\pm 2\%$ (Water Temperature $\leq 30^\circ\text{C}$), $\pm 3\%$ (Water Temperature $> 30^\circ\text{C}$)
 Max. Permissible Error in Lower Flow Rates $Q1 \leq Q < Q2$:
 Class 1 Meters: $\pm 3\%$ | Class 2 Meters: $\pm 5\%$
 Max. Water Temperature: 50°C - Max. Working Pressure: 16 bar
 Environmental Classes= Climatic : O ($-10^\circ\text{C}/+55^\circ\text{C}$) | Mechanic: M1 | Electromagnetic: E2
 Class: Class 1/Class 2 - Pressure Loss Class: $\Delta P10$

METER SIZE DIA (mm)	TYPE	Q3 / Q1	Q4	Q3	Q2	Q1	SMALLEST READING RESOLUTION	MAX. REGISTRATION CAPACITY
			MAX FLOW	NOMINAL FLOW	TRANSITIONAL FLOW	MIN. FLOW		
			m^3/h				m^3	
50	UW-6R	≤ 800	31,25	25	0,05	0,03125	0,00001	99999999
50	UW-6	≤ 800	31,25	25	0,05	0,03125	0,00001	99999999
65	UW-0	≤ 800	50	40	0,08	0,05	0,00001	99999999
80	UW-1	≤ 800	78,75	63	0,126	0,07875	0,00001	99999999
100	UW-2	≤ 800	125	100	0,2	0,125	0,00001	99999999
125	UW-3	≤ 800	200	160	0,32	0,2	0,00001	99999999
150	UW-4	≤ 800	312,5	250	0,5	0,3125	0,00001	99999999
200	UW-5	≤ 800	500	400	0,8	0,5	0,00001	99999999

DIMENSIONS & WEIGHTS

TYPE	L LENGTH	B WIDTH	H HEIGHT	CONNECTING FLANGE			PACKAGE WEIGHT (Without Connec.) (kg)	PACKAGE WEIGHT (With Connect.) (kg)
				D2 (mm) FLANGE DIA	D1 (mm) FLANGE HOLE CENTER	CONNECTION BOLT (PCS-DIA)		
UW-6R	200/300	133	165	-	-	-	3,90	5,47
UW-6	200	165	198	165	125	4 - M16	9,30	14,20
UW-0	200	185	215	185	145	4 - M16	9,80	15,10
UW-1	225	200	226	200	160	8 - M16	11,50	18,10
UW-2	250	220	240	220	180	8 - M16	14,00	21,25
UW-3	250	250	260	250	210	8 - M16	17,20	27,95
UW-4	300	285	300	285	240	8 - M20	25,60	38,10
UW-5	350	340	337	340	295	12 - M20	41,90	59,90

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