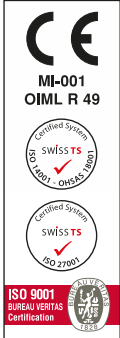


# BAYLAN

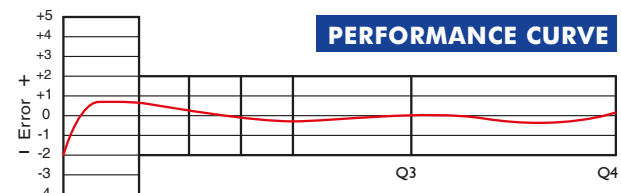
## WATER METERS

### Ultrasonic Water Meters

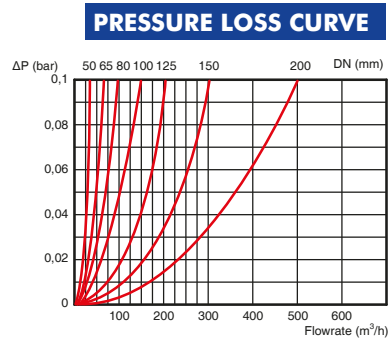


#### GENERAL

- MID Certified • Very good sensitivity at starting flow
- Ultrasonic working principle assures very high sensitivity even at low flow
- Reading through the center of the GPRS system, the collector of conformity (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
- Calibration is done inside the electronic circuit digitally by software parameters, which is not possible to modify externally
- 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 • Mod-Bus interfaces
- Radio Frequency automatic remote reading (Optional)
- Due to the lack of moving parts, high measurement accuracy
- 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

At low flows :  $\pm 5\%$  (error) between minimum flow rate (Q<sub>1</sub>) and transitional flow rate (Q<sub>2</sub>)  
 At high flows :  $\pm 2\%$  (error) between transitional flow rate (Q<sub>2</sub>) and overload flow rate (Q<sub>4</sub>)  
 Max. Working Temperature : 50°C  
 Max. Working Pressure : 16 bar

#### DIMENSIOES AND 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)		
50	200	165	200	165	125	4 - M16	10,75	15,25
65	200	185	215	185	145	4 - M16	12	17,2
80	225	200	230	200	160	8 - M16	13,8	20,4
100	250	220	240	220	180	8 - M16	16,4	23,65
125	250	250	270	250	210	8 - M16	20,47	31,22
150	300	285	290	285	240	8 - M20	27,17	39,67
200	350	340	340	340	295	12 - M20	41,9	60,35

METER SIZE DIA (mm)	TYPE	Q <sub>3</sub> / Q <sub>1</sub>	Q <sub>4</sub> MAX FLOW	Q <sub>3</sub> NOMINAL FLOW	Q <sub>2</sub> TRANSITIONAL FLOW	Q <sub>1</sub> MIN. FLOW	SMALLEST READING RESOLUTION	MAX. REGISTRATION CAPACITY
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

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