

BAYLAN

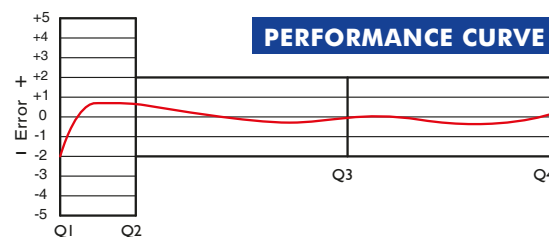
WATER METERS

Ultrasonic LoRa® Prepaid Water Meters



GENERAL

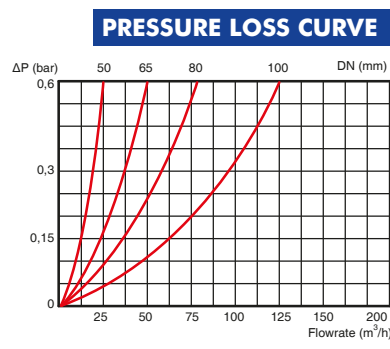
- MID Certified • Monoblock body
- Very good sensitivity in initial starting • Suitable for potable water
- Integrated LoRa® module-chipset allows both LoRa® and FSK modulation
- Supports LoRaWAN® - Class A Protocol
- Supports Wireless MBUS Protocol
- Suitable for irrigation water purposes • No measurement of air
- 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

MAIN TECHNICAL DATA

Q2 ≤ Q ≤ Q4 Maximum Permissible Error:
 Class 2 Water Meters; ±2% (Water Temp. ≤ 30°C), ±3% (Water Temp. > 30°C)
 Class 1 Water Meters; ±1% (Water Temp. ≤ 30°C), ±2% (Water Temp. > 30°C)
 Q ≤ Q < Q2 Maximum Permissible Error:
 Class 2 Water Meters; ±5% | Class 1 Water Meters; ±3%
 Max. Water Temperature: 50°C - Max. Working Pressure: 16 bar
 Environmental Classes= Climatic: -10°C/+55°C - Mechanic: M1/O - Electromagnetic: E2



PRESSURE LOSS CURVE

METER SIZE DIA (mm)	TYPE	Q ₃ / Q ₁	Q4	Q3	Q2	Q1	SMALLEST READING RESOLUTION	MAX. REGISTRATION CAPACITY
			MAX FLOW	NOMINAL FLOW	TRANSITIONAL FLOW	MIN. FLOW		
			m ³ /h				m ³	
50	UC-50	≤ 400	40	25	0,1	0,0625	0,00001	99999999
65	UC-65	≤ 400	50	40	0,16	0,1	0,00001	99999999
80	UC-80	≤ 400	78,75	63	0,252	0,158	0,00001	99999999
100	UC-100	≤ 400	125	100	0,40	0,25	0,00001	99999999

DIMENSIONS & WEIGHTS

METER SIZE DIA (mm)	L LENGTH	B WIDTH	H HEIGHT	CONNECTING FLANGE			UNIT WEIGHT (Without Flange) (kg)	PACKAGE WEIGHT (With Flange) (kg)
				D2 (mm) FLANGE DIA	D1 (mm) BOLT CIRCLE DIA.	CONNECTION BOLT (PCS-DIA)		
50	350	165	271	165	125	4 - M16	13	14
65	450	185	310	185	145	4 - M16	17,8	19
80	425	200	319	200	160	8 - M16	20,16	26,76
100	450	220	350	220	180	8 - M16	25,80	33,05

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