

BAYLAN

WATER METERS

AK-411P RF / LoRa® Remote Reading and Prepaid Ultrasonic Water Meters

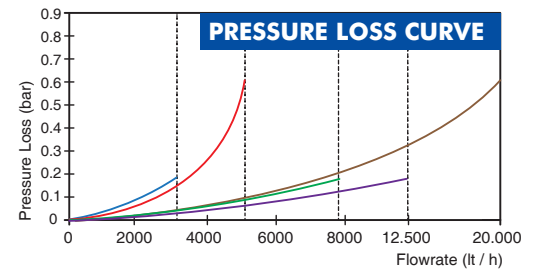


GENERAL

- MID Certificated • RF Readings • Supports Wireless MBUS Protocol
- Integrated LoRa® module-chipset allows both LoRa® and FSK modulation
- Supports LoRaWAN® - Class A Protocol • Built-in buzzer
- Selectable Frequency Band EU 863-870 Mhz
- Segment or Graphic LCD, backlit display option
- Composite body with high resistance to pressure and impacts
- Ultrasonic principle assures very high sensitivity even at low flow
- Contactless card usage ensures isolation against external affects
- Battery life up to 10 years
- Suitable for cold water up to 50°C
- Suitable for potable water
- No measurement of air • Reverse flow detection
- Wide dynamic measuring range and low pressure loss
- Solid stainless steel reflector • IP 68 protection class
- Can be mounted all positions desired
- Leakage control system, • 3 years of warranty
- Service and spare parts available for 10 years
- Brass or composite end connection options
- Environmental Classes

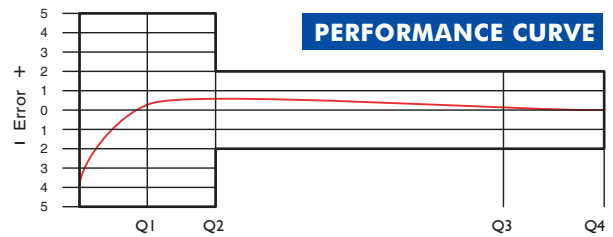
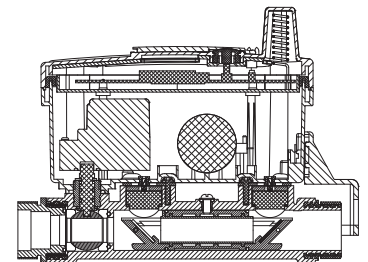
Climatic : -25°C/+60°C | Mechanic: M1/O | Elektromagnetic: E2

- Q2 ≤ Q ≤ Q4 Maximum Permissible Error
- Class 2; %±2 (Water Temp. ≤ 30°C), %±3 (Water Temp. > 30°C)
- Class 1; %±1 (Water Temp. ≤ 30°C), %±2 (Water Temp. > 30°C)
- Q1 ≤ Q < Q2 Maximum Permissible Error
- Class 2 Water Meters; % ± 5 | Class 1 Water Meters; % ± 3



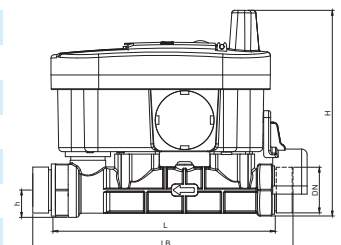
PERFORMANCE DATA

Nominal Diameter	DN	15	20	25	32	40
Overload Flowrate	Q4	m³/h 3,125	3,125	5	7,875	12,5
Permanent Flowrate	Q3	m³/h 2,5	2,5	4	6,3	10
Transitional Flowrate	Q2	m³/h 0,010	0,010	0,016	0,0252	0,04
Minimum Flowrate	Q1	m³/h 0,0063	0,0063	0,010	0,0158	0,025
Pressure Loss Class	bar	0,16	0,16	0,63	0,16	0,63
Q3/Q1 (MI-001 OIML R49)	-	≤ 400				≤ 800
Mounting on the network	-	All Positions				
Maximum Registration Capacity	m³	999999				
Initial Flow	Qi	l/h	3			
Maximum Working Pressure	bar	16				
Maximum Working Temperature	°C	50				
Smallest Reading Resolution	m³	0,00001/ 0,000001				
Accuracy Class	-	Class 1/Class 2				



DIMENSIONS

DIMENSIONS		With / Without Valve				Without Valve	With Valve	
		15	20	25	32	40	40	
Nominal diameter	DN	15	20	25	32	40	40	mm
Connecting diameter	D	G 3/4	G1	G1 1/4	G1 1/2	G2	G2	B
Total meter height	H	150	150	153,3	160,8	173	211,5	mm
Axis height	h	19	19	21,9	25,85	32	40	mm
Width	B	91	91	91	91	91	126,1	mm
Length	L	190	190	225	230	200	464	mm
Length with con.	LB	270	270	345	360	330	594	mm
LCD Screen Length		55x30	55x30	55x30	55x30	55x30	55x30	mm
LCD Screen Angle		30°	30°	30°	30°	30°	30°	mm
Unit weight		0,95	1,00	1,05	1,10	1,15	4,10	kg
Package Weight (without con.)		5,55	5,80	6,05	6,30	6,55	4,99	kg
Package Weight (with con.)		6,20	6,70	8,25	9,70	11,35	5,29	kg
Quantity per package		5	5	5	5	5	1	pcs
Package dimensions		17x52x23	17x52x23	26x52x30	26x52x30	26x52x30	13x60x22	cm



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