

BAYLAN

WATER METERS

AK-411 NB-IoT

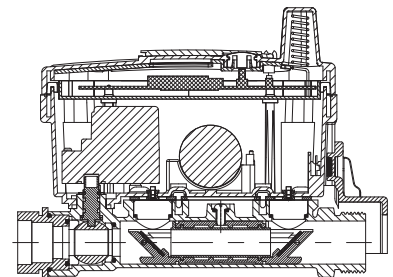
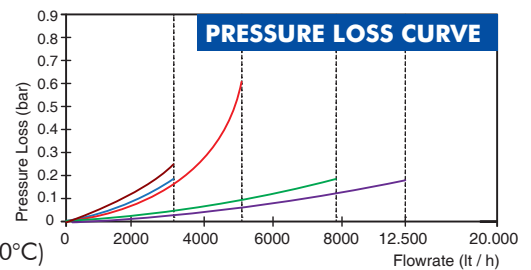
Remote Reading and Prepaid

Ultrasonic Water Meters



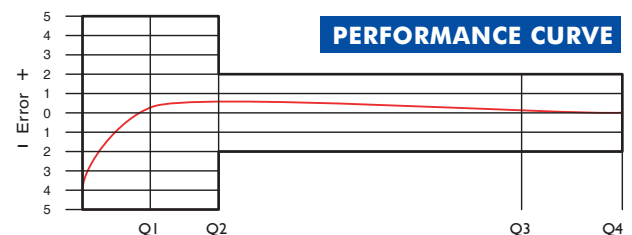
GENERAL

- MID Certificated
 - Direct communication with base station through LTE/4G
 - Low power narrow band bidirectional communication (NB-IoT)
 - Able to communicate on Multi-band of NB-IoT
 - Segment or Graphic LCD, backlit display option
 - Open and close the valve from remote control center
 - Complete management of the water consumption
 - 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
 - Environmental Classes
- Climatic : -25°C/+60°C | Mechanic: M1/O | Elektromagnetic: E2
- 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)
 - Q1 ≤ Q < Q2 Maximum Permissible Error
 - Class 2 Water Meters; % ± 5 | Class 1 Water Meters; % ± 3



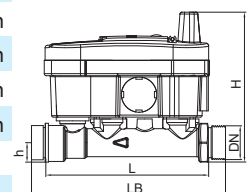
PERFORMANCE DATA

Nominal Diameter	DN	15	20	25	32	40
Overload Flowrate Q4	m ³ /h	3,125	3,125	5	7,875	12,5
Permanent Flowrate Q3	m ³ /h	2,5	2,5	4	6,3	10
Transitional Flowrate Q2	m ³ /h	0,010	0,010	0,016	0,0252	0,040
Minimum Flowrate Q1	m ³ /h	0,0062	0,0062	0,010	0,0158	0,025
Q3/Q1 (MI-001 OIML R49)	-	≤400	≤400	≤400	≤400	≤400
Pressure Loss Class	bar	0,16	0,25	0,63	0,16	0,16
Mounting on the network	-	All Positions				
Maximum Registration Capacity	m ³	999999				
Initial Flow Qi	l/h	3				
Maximum Working Pressure	bar	16				
Maximum Working Temperature	°C	50				
Smallest Reading Resolution	m ³	0,00001				
Accuracy Class	-	Class 1/Class 2				



DIMENSIONS

	DN	With / Without Valve				Without Valve	Composite	Brass	mm
		15	20	25	32		With Valve	With Valve	
Nominal diameter	DN	15	20	25	32	40	40	40	mm
Connecting diameter	D	G 3/4	G 1	G 1 1/4	G 1 1/2	G 2	G 2	G 2	B
Total overall meter height	H	147	147	153	161	170	215	215	mm
Axis height	h	19	19	21,9	24,9	32	40	40	mm
Width	B	91	91	91	91	91	126	126	mm
Length	L	190	190	225	230/260	200	464	464	mm
Length with connections	LB	270	270	345	360/390	330	594	594	mm
LCD Screen Length		55x30	55x30	55x30	55x30	55x30	55x30	55x30	mm
LCD Screen Angle		30°	30°	30°	30°	30°	30°	30°	mm
Unit weight		1,18	1,20	1,4/1,7	1,5/1,9	1,2/1,7	4,1/4,5	7,8/8,3	kg
Package Weight (without con.)		6,75	6,85	8,42	9,00	7,90	5,30	9,00	kg
Package Weight (with con.)		7,55	7,80	10,62	12,40	12,85	5,60	9,30	kg
Quantity per package		5	5	5	5	5	1	1	pcs
Package dimensions		17x52x23	17x52x23	26x52x30	26x52x30	26x52x30	13x60x22	13x60x22	cm



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