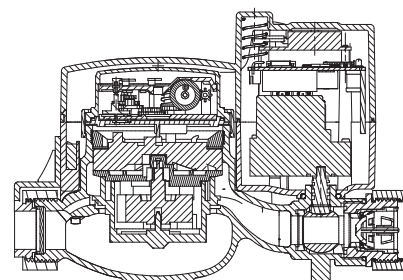


BAYLAN

WATER METERS

AK-311 NB-IoT

Remote Reading and Prepaid Water Meters



GENERAL

- MID Certified
- 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
- Open and close the valve from remote control center
- Contactless card usage ensures isolation against external effects
- Complete management of the water consumption
- Elimination of meter reading process • No meter dismantling because of the debts
- Setting up different tariffs • Suitable for potable water
- IP68 protected electronic circuit and mechanical meter
- Check valve disabling bidirectional water flow
- Fitting security cover and electronic sensor • LCD display with backlight
- Suitable for cold water up to 50°C • Battery life up to 10 years
- All spare parts available, wide range of service network
- Leakage control system, 3 years of warranty
- Environmental Classes

Climatic : -10°C/+55°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

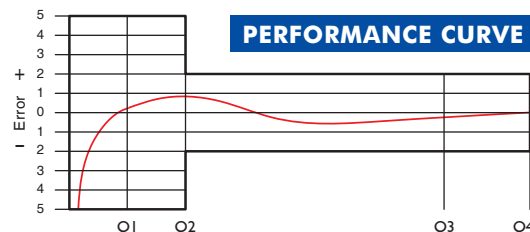
Class 2 Water Meters; % ± 5 | Class 1 Water Meters; % ± 3



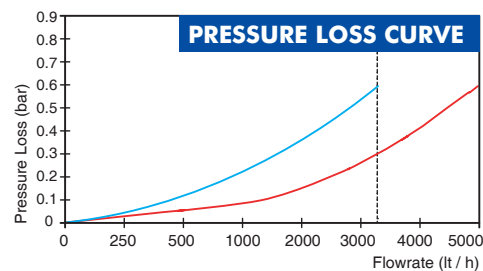
PERFORMANCE DATA

Nominal Diameter	DN	15/20	20
Overload Flowrate	Q4	m ³ /h 3,125	5
Permanent Flowrate	Q3	m ³ /h 2,5	4
Transitional Flowrate	Q2	m ³ /h 0,016	0,0256
Minimum Flowrate	Q1	m ³ /h 0,010	0,016
Q3/Q1 (MI-001 OIML R49)	-	≤250	≤250
Initial Flow	Qi	l/h 7	
Maximum Working Pressure	bar	16	
Maximum Working Temperature	°C	50	
Pressure Loss Class	bar	0,63	
Maximum Registration Capacity	m ³	9999/ 99999/ 99999,99/ 99999,999	
Smallest Reading Resolution	m ³	0,00005	
Mounting on the network	-	Horizontal	
Accuracy Class	-	Class 1 / Class 2	
Quantity per package	-	5	
Package dimensions	cm	16x55x24	

PERFORMANCE CURVE

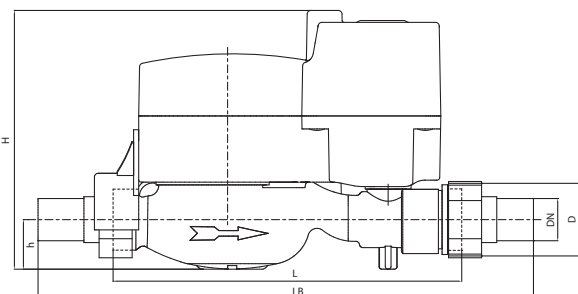


PRESSURE LOSS CURVE



DIMENSIONS

Nominal diameter	DN	15	20	mm
Connecting diameter	D	G 3/4	G 1	B
Total overall meter height	H	141	141	mm
Axis height	h	27	27	mm
Length	L	190	190	mm
Width	B	111	111	mm
Length with connections	LB	270	270	mm
LCD Screen Length		64x20	64x20	mm
LCD Screen Angle		30°	30°	mm
Unit weight		1,70	1,70	kg
Package Weight (without connections)		9,19	9,19	kg
Package Weight (with connections)		10,00	10,14	kg



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