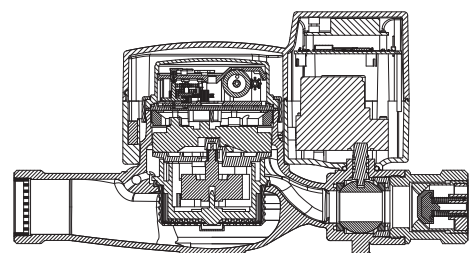


BAYLAN

WATER METERS

AK-12 LoRa® Remote Reading and Prepaid Water Meters



ISO 4064-1



OUR MANAGEMENT CERTIFICATES



GENERAL

- MID Certificated
- Supports Wireless MBUS Protocol • RF Readings
- 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
- Open and close the valve from remote control center
- Contactless card usage ensures isolation against external affects
- No meter dismantling because of the debts
- Suitable for potable water
- IP68 protected electronic circuit and mechanical meter
- Check valve disabling bi-directional water flow
- Sleeve security check and electronic sensor
- Long life lithium battery supplied • Suitable for cold water up to 50°C
- All spare parts available, wide range of service network
- Leakage control system, 3 years of warranty
- IP68 Protected • 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)

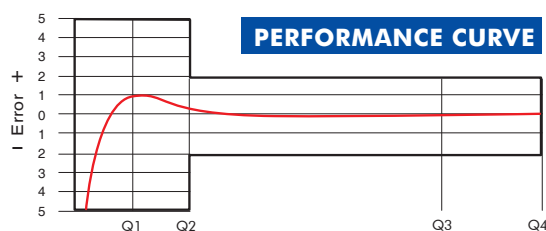
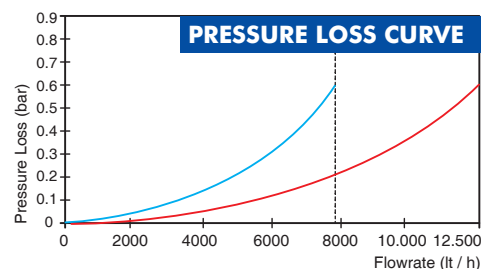
Class 1 Water Meters; % ± 1 (Water Temp. ≤ 30°C), % ± 2 (Water Temp. > 30°C)

• Q1 ≤ Q < Q2 Maximum Permissible Error

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

PERFORMANCE DATA

Nominal diameter	DN	25	32
Overload Flowrate	Q4	m³/h 7,875	12,5
Permanent Flowrate	Q3	m³/h 6,3	10
Transitional Flowrate	Q2	m³/h 0,063	0,08
Minimum Flowrate	Q1	m³/h 0,039	0,05
Q3/Q1 (MI-001 OIML R49)	-	≤ 160	≤ 200
Mounting on the network	-	H	
Maximum Registration Capacity	m³	(DN25-9999) 99999/99999,99/99999,999	
Initial Flow	Qi	l/h 9	
Maximum Working Pressure	bar	16	
Maximum Working Temperature	°C	50	
Pressure Loss Class	bar	0,63	
Smallest Reading Resolution	m³	0,00005	
Class	-	Class 1/Class 2	
Quantity per package	-	5	



DIMENSIONS

Nominal diameter	DN	25	32	mm
Connecting diameter	D	G1 1/4	G1 1/2	B
Total overall meter height	H	145	143,6	mm
Axis height	h	27	35	mm
Width	B	110	110	mm
Length	L	260	260	mm
Length with connections	LB	380	380	mm
LCD Screen Length		64x20	64x20	mm
LCD Screen Angle		30°	30°	mm
Unit weight		2,36	2,40	kg
Package Weight (without connec.)		12,56	12,80	kg
Package Weight (with connec.)		14,76	16,20	kg
Package dimensions		20x60x29	20x60x29	cm

