

# BAYLAN

## WATER METERS

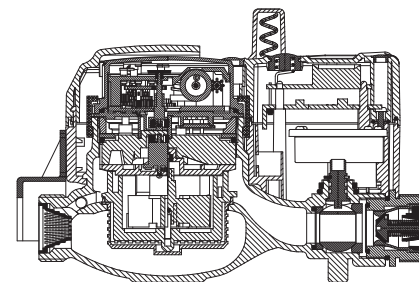
# AK-311 LoRa

## Remote Reading and Prepaid Water Meters



### GENERAL

- MID Certificated
- Integrated Lora module-chipset allows both LORA and FSK modulation
- Supports LoRaWAN™ and Wireless MBUS Protocols simultaneously (Optional)
- Supports LoRaWAN™ - Class A Protocol
- Supports Wireless MBUS Protocol
- Selectable Frequency Band EU 863-870 Mhz
- Complete management of the water consumption
- Contactless card usage ensures isolation against external effects
- 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
- Lithium battery replaceable by local administration
- LCD display with backlight
- Suitable for cold water up to 50°C
- All spare parts available, wide range of service network
- Leakage control system, 3 years of warranty

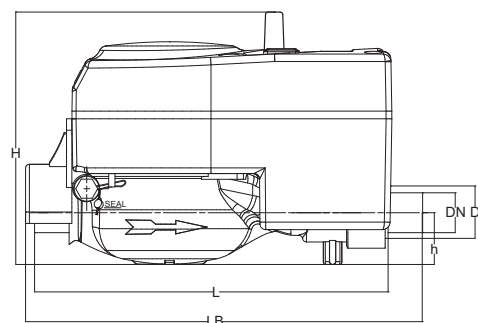
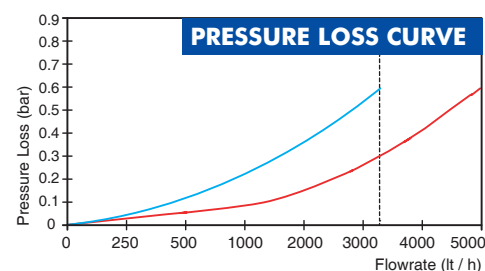
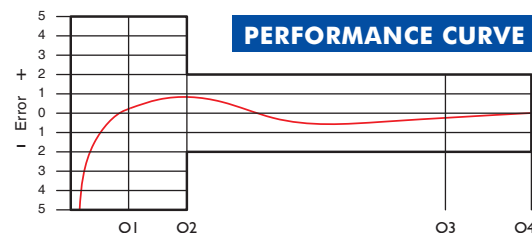


### PERFORMANCE DATA

Nominal Diameter	DN	15/20	20
Overload Flowrate	Q4	m <sup>3</sup> /h	3,125 5
Permanent Flowrate	Q3	m <sup>3</sup> /h	2,5 4
Transitional Flowrate	Q2	m <sup>3</sup> /h	0,025 0,032
Minimum Flowrate	Q1	m <sup>3</sup> /h	0,0156 0,020
Q3/Q1 (MI-001 OIML R49)	-		≤160 ≤200
Initial Flow	Qi	l/h	7
Maximum Working Pressure	bar		16
Maximum Working Temperature	°C		50
Pressure Loss	bar		0,63
Maximum Registration Capacity	m <sup>3</sup>		9999/ 999999/ 99999,99/ 99999,999
Smallest Reading Resolution	m <sup>3</sup>		0,00005
Mounting on the network	-		Horizontal
Accuracy Class	-		Class 1 / Class 2
Quantity per package	-		5
Package dimensions	cm		16x55x24

### DIMENSIONS

Nominal diameter	DN	15	20	mm
Connecting diameter	D	G 3/4	G 1	B
Total overall meter height	H	118	118	mm
Axis height	h	27	27	mm
Length	L	190	190	mm
Width	B	100	100	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."