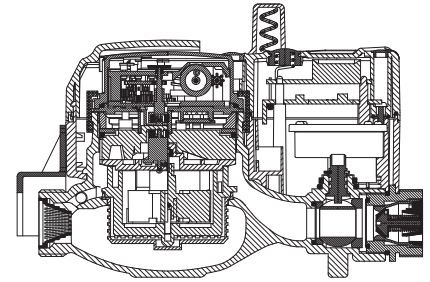


AK-311 LoRa Remote Reading and Prepaid Water Meters



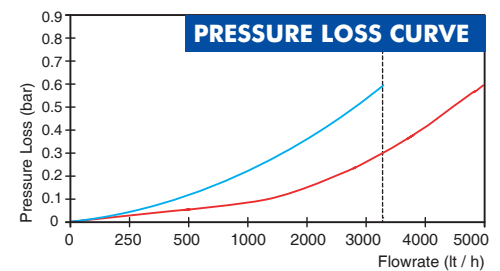
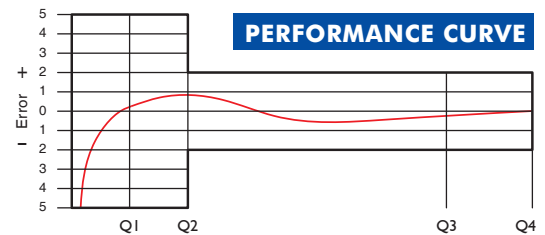
GENERAL

- MID Certified
- 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	m³/h 3,125	5
Permanent Flowrate	Q3	m³/h 2,5	4
Transitional Flowrate	Q2	m³/h 0,025	0,032
Minimum Flowrate	Q1	m³/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	m³	9999/ 99999/ 99999,99/ 99999,999	
Smallest Reading Resolution	m³	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

