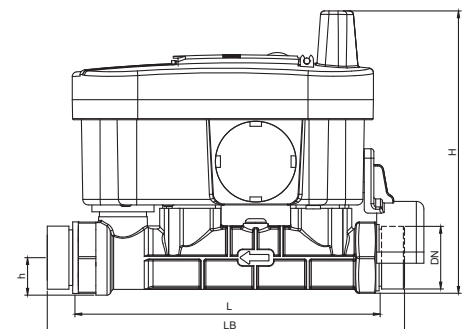
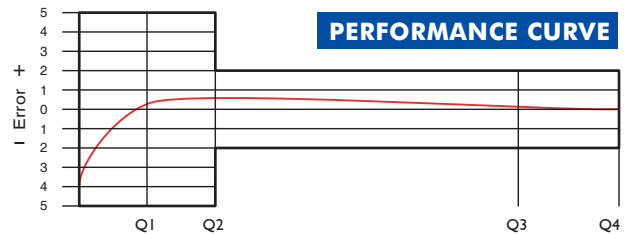
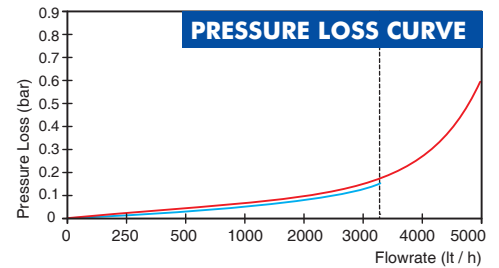
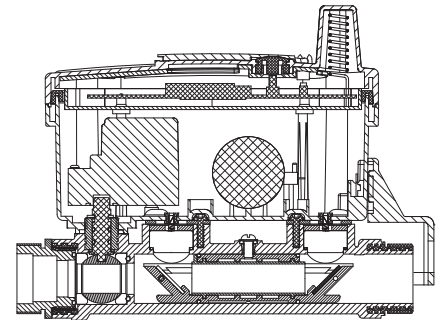


AK-411PE RF / LoRa Remote Reading and Prepaid Ultrasonic Water Meters



GENERAL

- MID Certificated • RF Readings
- Supports Wireless MBUS Protocol
- Integrated Lora module-chipset allows both LORA and FSK modulation
- Supports LoRaWAN™ and Wireless MBUS Protocols simultaneously (Optional)
- Supports LoRaWAN™ - Class A Protocol • Built-in buzzer
- Selectable Frequency Band EU 863-870 Mhz
- Composite body with high resistance to pressure and impacts
- Ultrasonic principle assures very high sensitivity even at low flow
- Contactless card usage ensures isolation against external affects
- 3.6V Lithium battery replaced by local administration
- LCD display with back light • Advanced service network
- 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
- Brass or composite end connection options



PERFORMANCE DATA

Nominal Diameter	DN	15	20
Overload Flowrate	Q4	m ³ /h 3,125	3,125 5
Permanent Flowrate	Q3	m ³ /h 2,5	2,5 4
Transitional Flowrate	Q2	m ³ /h 0,010	0,010 0,016
Minimum Flowrate	Q1	m ³ /h 0,0063	0,0063 0,010
Pressure Loss	bar	0,16	0,16 0,63
Q3/Q1 (MI-001 OIML R49)	-	≤400	
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	
Quantity per package	-	5	

DIMENSIONS

Nominal diameter	DN	15	20	mm
Connecting diameter	D	G 3/4	G 1	B
Total overall meter height	H	150	150	mm
Axis height	h	19	19	mm
Width	B	91	91	mm
Length	L	190	190	mm
Length with connections	LB	270	270	mm
LCD Screen Length		55x30	55x30	mm
LCD Screen Angle		30°	30°	mm
Unit weight		0,95	1,00	kg
Package Weight (without connec.)		5,55	5,90	kg
Package Weight (with connec.)		6,20	6,70	kg
Package dimensions		17x52x23	17x52x23	cm