

BAYLAN

WATER METERS

AK-111 RF

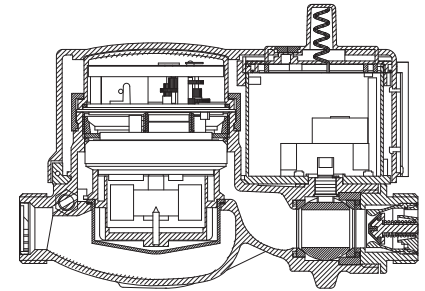
Remote Reading

Water Meter



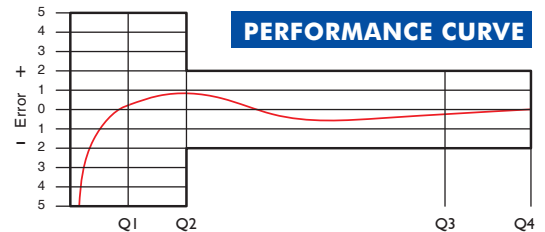
GENERAL

- MID Certificated • Radio Frequency automatic remote reading
 - Reading through the center of the GPRS system, the collector of conformity
 - Operation Frequency: The license-free European ISM band of 868 Mhz
 - Simplified installation and operation. No complicated wiring is necessary
 - Reduces reading costs and improve meter reading accuracy
 - Enables faster, more accurate reading and billing process
 - Much more effective customer relation management
 - Detection of, leak, tamper, Internal battery supplied • 3 Years of warranty
 - The bidirectional transmission of operation effective parameters of the AMR module via optical port
 - The integral Real Time Clock (RTC) (IEC61038)
 - IP65 protected electronic circuit and mechanical meter
 - Service and spare parts available • Suitable for potable water
 - Readings of meter for 12 monts are kept in the memory of the AMR module. Twice a month readings are saved in local memory
 - Reduces the labor, no maintenance necessary
 - Environmental Classes
- Climatic : -10°C/+55°C | Mechanic: M1/O | Elektromagnetic: E2
- $Q2 \leq Q \leq Q4$ Maximum Permissible Error
 - Class 2 Water Meters; $\% \pm 2$ (Water Temp. $\leq 30^\circ\text{C}$), $\% \pm 3$ (Water Temp. $> 30^\circ\text{C}$)
 - Class 1 Water Meters; $\% \pm 1$ (Water Temp. $\leq 30^\circ\text{C}$), $\% \pm 2$ (Water Temp. $> 30^\circ\text{C}$)
 - $Q1 \leq Q < Q2$ Maximum Permissible Error
 - Class 2 Water Meters; $\% \pm 5$ | Class 1 Water Meters; $\% \pm 3$

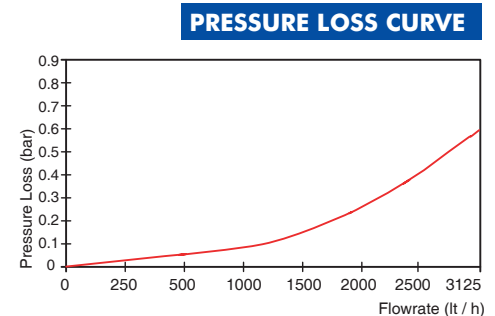


PERFORMANCE DATA

Overload Flowrate	Q4	m ³ /h	3,125
Permanent Flowrate	Q3	m ³ /h	2,5
Transitional Flowrate	Q2	m ³ /h	0,025
Minimum Flowrate	Q1	m ³ /h	0,0156
Q3/Q1 (MI-001 OIML R49)	-		≤ 160
Mounting on the network	-		Horizontal
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 /h		0.00005
Class	-		Class 1 / Class 2
Quantity per package	-		5
Package dimensions	cm		17x58x23



PERFORMANCE CURVE



PRESSURE LOSS CURVE

DIMENSIONS

Nominal diameter	DN	20	mm
Connecting diameter	D	G 1	B
Total overall meter height	H	142,5	mm
Axis height	h	27	mm
Length	L	190	mm
Width	B	93	mm
Length with connections	LB	270	mm
LCD Screen Length		55x20	mm
LCD Screen Angle		30°	mm
Unit weight		1,63	kg
Package Weight (without connections)		9,12	kg
Package Weight (with connections)		10,15	kg

