

BAYLAN

WATER METERS

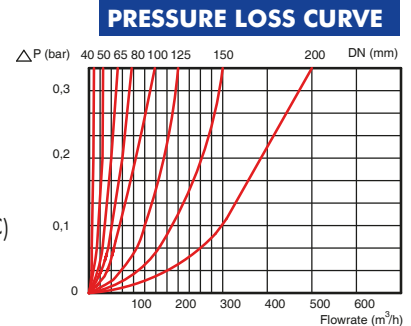
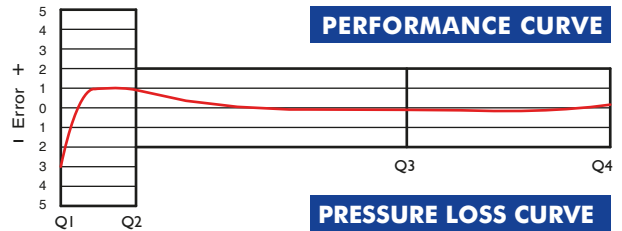
AK LoRa

Remote Reading and Prepaid Water Meters



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
- Suitable for potable water
- Saves great amount from time
- Wide angle digital screen for easy reading
- No meter dismantling because of the debts
- Setting up different tariffs
- Suitable for cold water up to 50°C
- Almost no maintenance • Non return valve
- All spare parts available, wide range of service network
- Contactless card usage ensures isolation against external affects
- 3 years of warranty • Long life lithium battery supplied



MAIN TECHNICAL DATA

Max Permissible Error in Upper Flow Rates $Q2 \leq Q \leq Q4$: ± 2 ($\leq 30^\circ\text{C}$) (For Class 1 ± 1) ± 3 ($\geq 30^\circ\text{C}$)

Max Permissible Error in Lower Flow Rates $Q1 \leq Q \leq Q2$: ± 5 (For Class 1 ± 3)

Max Working Temperature : 50°C

Pressure Loss Class : 0,63 bar

Max Working Pressure : 16 bar

Class

: Class 1 / Class 2

METER SIZE DIA (mm)	TYPE	Q3 / Q1	Q4	Q3	Q2	Q1	SMALLEST READING RESOLUTION	MAX. REGISTRATION CAPACITY
			MAX FLOW	NOMINAL FLOW	TRANSITIONAL FLOW	MIN. FLOW		
			m ³ /h				m ³	
40	AK-13	≤160	20	16	0,16	0,10	0,0001	99999/99999,99/99999,999
50	AK-14	≤80	31,25	25	0,500	0,313	0,001	999999
65	AK-15W	≤80	50	40	0,80	0,500	0,001	999999
80	AK-16	≤80	78,75	63	1,260	0,788	0,001	999999
100	AK-17	≤80	125	100	2,00	1,250	0,001	999999
125	AK-18W	≤80	200	160	3,20	2,000	0,001	999999
150	AK-19	≤80	312,5	250	5,00	3,125	0,01	9999999
200	AK-20	≤80	500	400	8,00	5,000	0,01	9999999

DIMENSIONS & WEIGHTS

METER SIZE DIA (mm)	TYPE	L LENGTH	B WIDTH	H HEIGHT	CONNECTING FLANGE			PACKAGE WEIGHT (Without Flange) (kg)	PACKAGE WEIGHT (With Flange) (kg)
					D2 (mm) FLANGE DIA	D1 (mm) FLANGE HOLE CENTER	CONNECTION BOLT (PCS-DIA)		
40	AK-13	530	131,2	226,7	-	-	-	12,8	13,8
50	AK-14	200/410	165/165	235/280	165	125	4 - M16	29,2	33,7
65	AK-15W	200/485	185/190	235/300	185	145	4 - M16	38,7	43,9
80	AK-16	225/510	200/200	265/310	200	160	8 - M16	37	43
100	AK-17	250/555	220/220	275/330	220	180	8 - M16	49	56
125	AK-18W	250/680	250/300	260/425	250	210	8 - M16	58	68
150	AK-19	300/705	285/300	310/420	285	240	8 - M20	110	123
200	AK-20	350/820	340/365	370/490	340	295	8 - M20	160	173

"Due to continuous development of our products, we reserve the right to modify our product design or construction without prior notice."