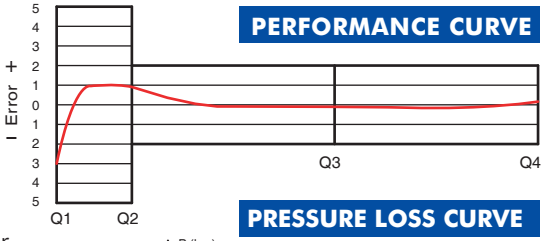
BAYLAN
WATER METERS
RF-LoRa®-Prepaid Irrigation Water Meters

CE 1783
TSE ISO 4064-1
Test TS EN ISO/IEC 17025 AB-0177-T
OUR MANAGEMENT CERTIFICATES

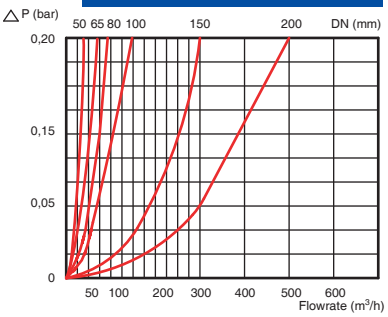
GENERAL

- MID Certificated • RF Readings • Supports Wireless MBUS Protocol
- 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
- Electronic relay input turns off the water pump automatically when the valve is closed • IP68 protected dry type mechanism
- Contactless card usage ensures isolation against affects
- Suitable for all positions (DN 40 Horizontal connection)
- Optical reading available • 3 years of warranty
- Comply with Standard BS 5728,
- Suitable for use in water supply • Flanges comply with BS 4504
- Body made of Cast Iron GG25 with surface resistance to corrosion
- Internal components suited to come into contact with drinking water
- Flanges drilled in accordance to DIN 2532/3 PN 16
- Service and spare parts available for 10 years

PERFORMANCE CURVE



PRESSURE LOSS CURVE



MAIN TECHNICAL DATA

Max. Water Temperature: 50°C - Max. Working Pressure: 16 bar
Q2≤Q≤Q4 Maximum Permissible Error
Class 2 Water Meters; ±2% (Water Temp.≤30°C), ±3% (Water Temp.>30°C)
Class 1 Water Meters; ±1% (Water Temp.≤30°C), ±2% (Water Temp.>30°C)
Q1≤ Q<Q2 Maximum Permissible Error
Class 2 Water Meters; ±5% |Class 1 Water Meters; ±3%
Environmental Classes= Climatic : -10°C/+55°C - Mechanic: M1/O - Electromagnetic: E2

METER SIZE DIA (mm)	TYPE	Q3 / Q1	Q4 OVERLOAD FLOW	Q3 NOMINAL FLOW	Q2 TRANSITIONAL FLOW	Q1 MINIMUM FLOW	SMALLEST READING RESOLUTION	MAX. REGISTRATION CAPACITY
			m^3/h				m^3	
40	AK-13	≤160	20	16	0,16	0,10	0,0001	99999,999
50	BW-50	≤160	31,25	25	0,25	0,156	0,001	999999
65	BW-65	≤160	50	40	0,40	0,25	0,001	999999
80	BW-80	≤160	78,75	63	0,63	0,393	0,001	999999
100	BW-100	≤160	125	100	1,00	0,625	0,001	999999
125	BW-125	≤160	200	160	1,60	1,00	0,001	999999
150	BW-150	≤160	312,5	250	2,50	1,562	0,01	9999999
200	BW-200	≤160	500	400	4,00	2,50	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	BW-50	200/410	165/165	190/280	165	125	4 - M16	25	28
65	BW-65	200/485	185/190	200/300	185	145	4 - M16	34	38
80	BW-80	225/510	200/200	234/310	200	160	8 - M16	35	40
100	BW-100	250/555	220/220	244/330	220	180	8 - M16	45	52
125	BW-125	275/680	250/300	286/425	250	210	8 - M16	58	68
150	BW-150	300/705	285/300	304/420	285	240	8 - M20	90	103
200	BW-200	350/820	340/365	375/490	340	295	12 - M20	127	144

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