

Ultrasonic LoRa Water Meter IMI-ULW

GENERAL DETAILS

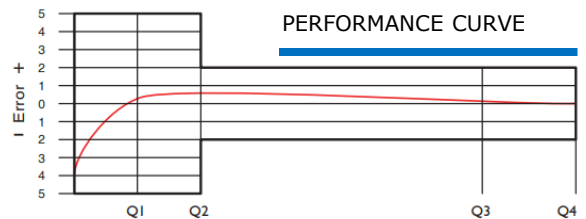
- MID certified -suitable for potable water
- Supports LoRa-WAN(EU 863-870 MHz) and Wireless MBUS protocols simultaneously
- Embedded step valve for remote water flow control
- Accurate and high sensitivity measurements even at low flow
- Accuracy Class 2
- No measurement of air
- IP68 protection and solid stainless steel reflector
- 3.6V Lithium battery, battery life 10 years
- Suitable for cold water and temperatures up to 50°C
- Can be mounted in all positions
- Leakage control system
- Reverse flow detection
- LCD display with back light (55x30 mm)
- Receive meter readings remotely



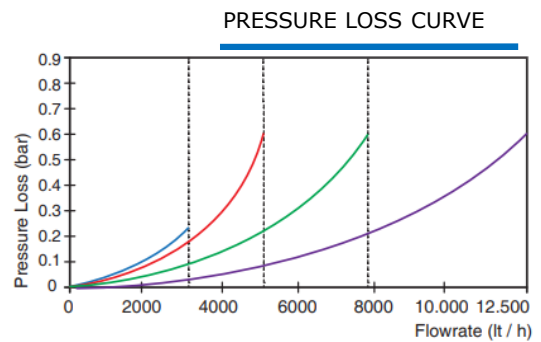
ISO 4064-1

Muayene
TS EN ISO/IEC 17020
AB-0068-M

Test
TS EN ISO/IEC 17025
AB-0177-T



PERFORMANCE CURVE



PRESSURE LOSS CURVE

DEVICE DIMENSIONS

Nominal Diameter	DN	15	20	25	32
Width	B	91	93	91	91 mm
Length with connections	LB	270	270	345	345 mm
Connecting Diameter	D	G ¾	G 1	G1 ¼	G1 ½ B
Length	L	190	190	225	230 mm
Total overall meter height	H	147	147	153	161 mm
Axis height	h	19	19	21.9	24.9 mm
Unit weight		1.3	1.3	1.5	1.90 kg

PERFORMANCE DATA

Nominal Diameter	DN	15	20	25	32		
Overload flowrate	Q4	m ³ /h	3.125	3.125	5	7.875	12.5
Permanent flowrate	Q3	m ³ /h	2.5	2.5	4	6.3	10
Transitional flowrate	Q2	m ³ /h	0.010	0.016	0.016	0.0252	0.040
Minimum flowrate	Q1	m ³ /h	0.0063	0.010	0.010	0.0158	0.025
Q3/Q1 (M1-001 OIML R49)	-		≤ 400	≤ 250	≤ 400	≤ 400	≤ 400
Pressure loss	bar	0.16	0.25	0.63	0.16	0.16	
Initial flowrate Qi	l/h	3					
Maximum working pressure	bar	16					
Maximum working temperature	°C	50					
Maximum registration capacity	m ³	999999					
Smallest reading resolution	m ³	0.00001					
Mounting on the network	-	All positions					

