Make It Easy

JOYS550

MEC Water Meter

CE MID | KEMA | LoRa | STS ASSOCIATION | TÜV SÜD | dlms COSEM Compliant | OMS | CMS | ISO ISO9001 | M-Bus wireless
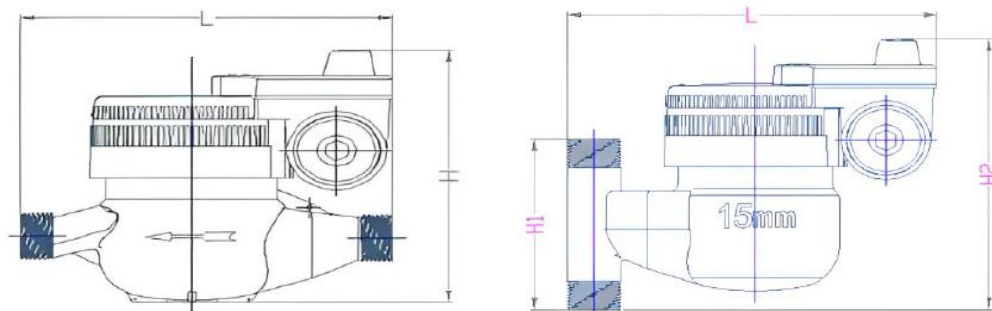
DESCRIPTION

Joy's new generation MEC (Mechanical to Electronic Converter) remote reading water meter adopt advanced non-magnetic sensor technology. By adding a clip-on communication module on a traditional mechanical water meter which assembled with a non-magnetic steel disc, it makes very easy for installation, modification, updating and various parameter configurations in different occasions.

JOYS550-MEC supports multi-communication ports, such as LoRaWAN, NB-IoT, 4G etc. Via the combination of advanced data collection and management system, Joy can help to achieve a better application of meter data for water utilities, and use for various support which can make water supply and billing more efficient.

FEATURES

► Replaceable battery
► Mulit-communications for choose
► Support local infrared and remote wireless setting parameters and upgrade.
► With automatic/touch trigger/magnetic trigger/exception reporting function

Horizontal Diameter, mm	DN15	DN20	DN25
Connection	R1/2 G¾B	R3/4 G1B	R1 G1½B
Length, mm	165	195	225
Height, mm	140	145	145
Width, mm	96		

Vertical Diameter, mm	DN15	DN20	DN25
Connection	R1/2 G¾B	R3/4 G1B	R1 G1½B
Length, mm	185	200	203
Height 1, mm	95	100	110
Height 2, mm	151	158	165
Width, mm	96		

TECHNICAL SPECIFICATIONS

Item	Parameter					
Diameter, mm	DN15		DN20		DN25	
R(Q3/Q1)	80	100	80	100	80	100
Q3, m³/h	2.5	2.5	4.0	4.0	6.3	6.3
Q4, m³/h	3.125	3.125	5	5	7.875	7.875
Q1, m³/h	0.031	0.025	0.050	0.04	0.078	0.063
Flow Sensor Type	Multi-jet, Wet					
Temp. Class	T30, T90					
Pressure Loss	∆P63					
Sensitivity to Irregularity	U10/D 5					
Max. Working Pressure, Mpa	MAP10					
Installation Direction	Horizontal/Vertical					
Accuracy	Class 2					
Environmental Classification	B					
Electromagnetic Environment	E1					
Power Supply	8500mAH Battery power (replaceable)					
Communication Interface	IrDa, LoRaWan , NB-IoT,4G etc					
Protection Class	IP68					
Communications	LoRa	470MHz and other ISM band (Customized)				
	NB-IoT	B3, B5, B8 (Customized)				
Protocol	CJ188					