



Advanced Flow Intelligence Modular Water Meter Technology



Application Standards

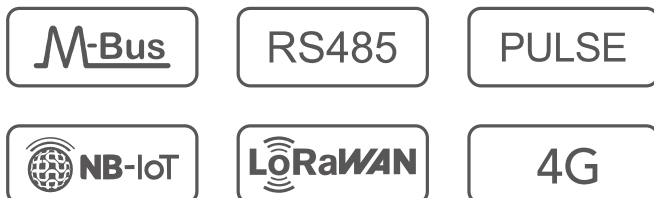
LXSY-15A-20A

Application

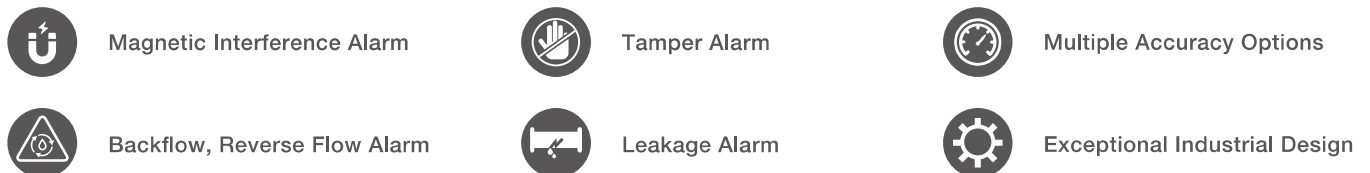
The module can be attached to multi jet water meters, collecting daily data for efficient, accurate metering.

- M-BUS/RS485 Protocol: *EN13757*
- Modbus Baud Option: *2400 or 9600*
- Pulse Option: *1L/Pulse or 10L/Pulse*
- LoRa/LoRaWAN Frequency Rate:
865MHz, 868MHz, 915MHz, 902MHz, 920MHz etc

Communication

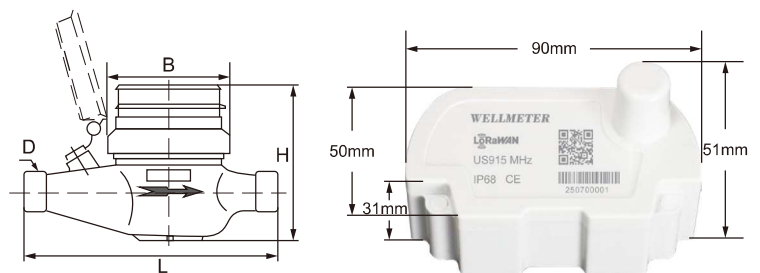


Feature Highlights

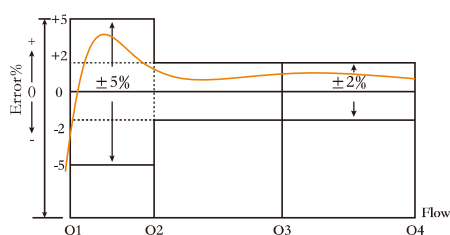


Dimensions

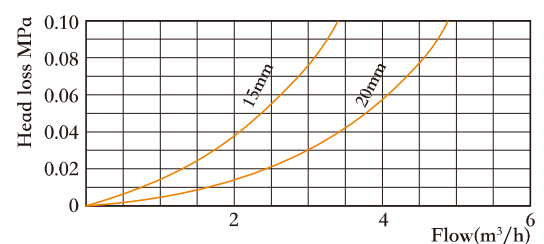
Nominal Diameter (mm)	DN15	DN20
Thread	G3/4B	G1B
L (mm)	165	190
H (mm)	107	107
W (mm)	82	82
Weight (kg)	0.72	0.98



Error Curve



Head Loss Curve



Main Technical Specifications

	DN15		DN20	
$Q_4(Q_{\text{overload}})\text{m}^3/\text{h}$	3.125	3.125	5	5
$Q_3(Q_{\text{max/permanent}})\text{m}^3/\text{h}$	2.5	2.5	4	4
$Q_2(Q_{\text{transitional}})\text{m}^3/\text{h}$	0.05	0.025	0.08	0.04
$Q_1(Q_{\text{min}})\text{m}^3/\text{h}$	0.03125	0.015625	0.05	0.025
Start Flow Rate m^3/h	0.01	0.005	0.014	0.007
Dynamic Range	R80	R160	R80	R160
Min Reading(m^3)	0.0001			
Max Reading(m^3)	99,999			
Accuracy Class	Class B, Class C, Class 2 (R80, R100, R160)			
Standard	ISO4064 / OIML R49			
Measured Medium	Water			
Maximum Permissible Error For The Lower Flow Rate Zone	$\pm 5\%$			
Maximum Permissible Error For The Upper Flow Rate Zone	$\pm 2\%$ for water having a temperature $< 30^\circ\text{C}$ $\pm 3\%$ for water having a temperature $> 30^\circ\text{C}$			
Operating Temperature	$-10^\circ\text{C} \sim 55^\circ\text{C}$			
Accidental Temperature	$-20^\circ\text{C} \sim 55^\circ\text{C}$			
Max Loss(ΔP)	$\Delta p63$			
Max Pressure(MAP)	MAP16			
Environmental Classification	Class B			
Protection Class	IP68			
Body Material	Brass			
The Installation Sensitivity	U0/D0			
Climatic and Mechanical Environmental Grades	M1			
Communication	Optical Port, M-bus, RS485, Pulse output, LoRa, LoRaWAN, NB-IoT, 4G			
Installation Direction	Horizontal			
Power Source	Lithium batteries			
Module Battery Lifetime	10-15 years			
Historical Storage Data	1080 hours, 180 days, 24 months			

Compatible Modules

