

Product data sheet

# Iskrasonic IW.1



IW.1's advanced ultrasonic technology ensures accurate billing and leak detection even in difficult conditions, while its flexible communication adapts to your needs. This innovative water meter empowers you to manage water effectively, reducing waste and promoting sustainability.



**Increased metrology accuracy**



**Advanced technology**



**Cost effective**

## Key features

- Increased metrology accuracy
- Highly secured data
- IP68
- High quality and durability
- Advanced technology
- High availability
- High-tech solution
- High measurement performance index
- Flexible Connectivity
- NB-IoT
- LoRaWAN
- wM-Bus

## Benefits

- Ultrasonic technology
- Cost-effective communication
- Long-lasting battery life
- Detailed records
- Accurate billing
- Enhanced water management

## Certifications

- MID Certification 2014/32/EU
- European Radio Equipment Directive 2014/53/EU
- HZJZ- Croatian Institute of Public Health
- DM 174/2004 – Italy

## Technical specifications

Smart meter	DN 15	DN 15	DN 20	DN 20	DN 25	DN 25
Product name	IW.1 - 15	IW.1 - 15	IW.1 - 20	IW.1 - 20	IW.1 - 25	IW.1 - 25
<b>Measurements</b>						
Meter Diameter	DN 15	DN 15	DN 20	DN 20	DN 25	DN25
Meter Length	110/165	110/165	130/165/190	130/165/190	160/180/ 200/260	160/180/ 200/260
Meter Type	Ultrasonic Smart water Meter					
<b>Accuracy</b>						
Standard	Iso 4064 Class 2	ISO 4064 Class 2	Iso 4064 Class 2	ISO 4064 Class 2	Iso 4064 Class 2	Iso 4064 Class 2
Dynamic Range <sup>®</sup>	R400/R630/ <b>R800</b> /R1000					
Min. Standard Flowrate Q1 l/h	2	3.125	3.125	5	7.875	10
Nominal Flowrate Q3 l/h	1600	2500	2500	4000	6300	10000
Temperature °c	T50	T50	T50	T50	T50	T50
MAP bar	16	16	16	16	16	16
Pressure Loss bar (at Q3)	≤ 0.63					
The installation sensitivity class	U0/D0	U0/D0	U0/D0	U0/D0	U0/D0	U0/D0
Electromagnetic and Environmental class	O,E2	O,E2	O,E2	O,E2	O,E2	O,E2
<b>Meter installation</b>						
Meter Connection	Threaded	Threaded	Threaded	Threaded	Threaded	Threaded
nominal diameter	15	15	20	20	25	25
Connection	G3/4"	G3/4"	G1"	G1"	G1-1/4"	G1-1/4"
<b>Housing</b>						
Meter Casing	compact Plastic Casing included in the internal design, Battery and electronic meter parts					
Ingress Protection	IP68					

## Dimensions

Meter Size	Length L1 mm	Thread Form L2 mm	Width L3 mm
DN 15mm	110/130	12mm; G3/4"	76.9
DN20mm	130/165/190	14mm; G1"	76.9
DN25mm	160/180/200/260	16mm; G1 1/4"	76.9

