



iskraemeco
BY ELSEWEDY ELECTRIC

IskraSONIC RESIDENTIAL IS



SUMMARY

Iskrasonic Residential IS water meter is a new type of instrument which calculates water flow by using the principle of ultrasonic time difference. The instrument has a good ability to detect small flow and is beneficial to users' rational use and saving water resources. When the ultrasonic water meter is used, it does not produce mechanical friction, wear, clogging, accurate measurement, good reliability, long service life, basically belongs to maintenance-free products, and has the characteristics of small size, good stability, low power consumption and strong anti-interference ability.



PRODUCT CHARACTERISTICS:

- Built-in 3.6V lithium battery power supply;
- Support horizontal and vertical installation methods to meet the needs of different users.
- Support using the touch key function to switch the LCD screen menu to view the information under different menus.
- Supports infrared communication modes to read the water meter instantaneous flow data, cumulative flow data and current time. (the other data or parameters are forbidden to read or set once the meter is out of factory).

STANDARDS:

- GB/T 778.1-2018 Drinking cold water meter and hot water meter
- ISO 4064.1:2014 Water meters for cold potable water and hot water
- OIML R49-1:2013(E) Water meters for cold potable water and hot water

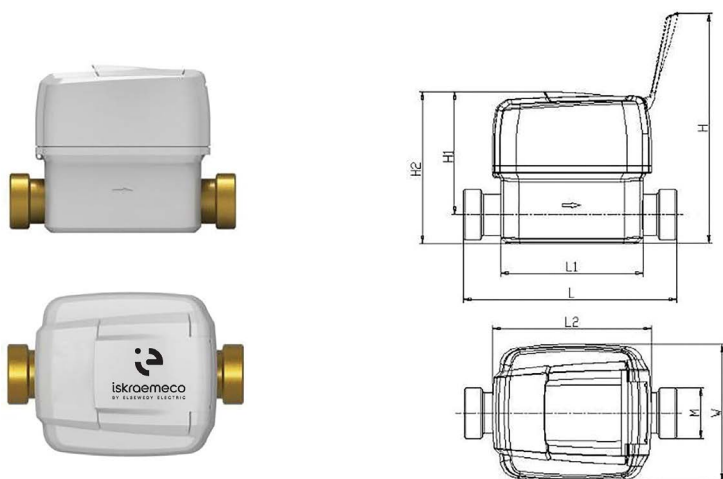
Technical Diameter

Characteristics	UNIT	ISKRASONIC IS				
		15	20	25	32	40
Nominal diameter DN	mm	15	20	25	32	40
Permanent flowrate Q3	m ³ /h	2,5	4,0	6,3	10	16
Minimum flowrate Q1	m ³ /h	0,0062	0,01	0,01575	0,025	0,040
Transitional flowrate Q2	m ³ /h	0,01	0,016	0,0252	0,040	0,064
Overload flowrate Q4	m ³ /h	3,125	5,0	7,875	12,5	20
Ratio Q3/Q1	R	400				
Ratio Q2/Q1	-	1,6				
Connection thread	inch	G $\frac{3}{4}$	G1	G1 $\frac{1}{4}$	G1 $\frac{1}{2}$	G2
Construction length L	mm	110	130	260	260	300
Installation orientation	-	horizontal, vertical (V/H)				
Water temperature range (temperature class)	°C	0,1 ~ 50 (T50)				
Maximum admissible pressure MAP	bar	16				
Pressure loss class Δp	bar	0,63				
Maximum permissible error in upper flowrates range Q2 $\leq Q \leq Q4$	%	± 2 (at $\Theta \leq 30^{\circ}\text{C}$) ± 3 (at $\Theta > 30^{\circ}\text{C}$)				
Maximum permissible error in lower flowrates range Q1	%	± 5				
Indication range	m ³	99999999				
Verification scale interval (resolution of the indicating device)	L	0,001				
Accuracy class	-	2				
Mechanical class	-	M1				
Climatic class	°C	- 25 ~ + 55				
Electromagnetic class	-	E1				
Climatic and mechanical environmental conditions (class) according to EN ISO 4064-1/OIML R 49-1	-	B/O				
Flow profile sensitivity class	-	U0 D0				
Battery	-	li-battery 3,6 V, life time 12 years				

Dimensions

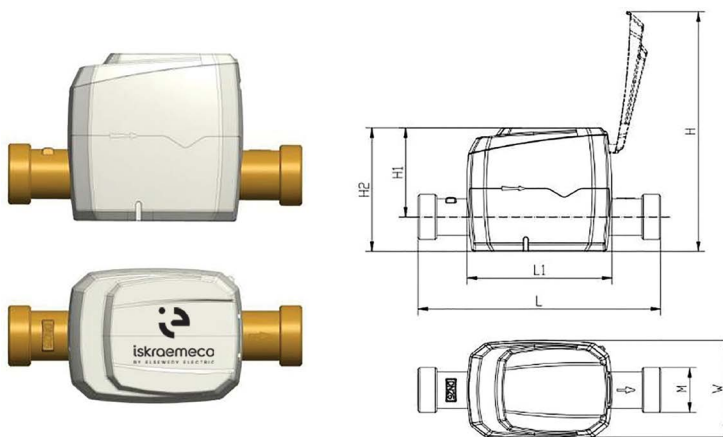
DN15~DN20

Nominal Diameter (DN)	Overall Length L(mm)	Counter Length L1(mm)	Counter Length L2(mm)	Counter Width W(mm)	Total Height H(mm)	Total Height H1(mm)	Overall Height H2(mm)	Connection Thread M
15	110/165	90	104	90	148	78	97	G3/4
20	130/195	93	104	90	150	80	99	G1



DN25 ~DN40

Nominal Diameter (DN)	Overall Length L(mm)	Counter Length L1(mm)	Counter Width W(mm)	Total Height H(mm)	Total Height H1(mm)	Overall Height H2(mm)	Connection Thread M
25	260	135	90	221	83	115	G1¼
32	260	135	90	221	85	115	G1½
40	300	135	90	225	88	117	G2



ISKRAEMECO GROUP

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