

# HYDRASONIC i-UWM

Ultrasonic Water meter (flanged)

Revolutionizing Flow



Kimans Hydrasonic i-UWM is designed with multi path sensors ultrasonic technology to measure the water flow even in low flow rates. It is build on the principle of transit time for accurate flow measurement.

It is well suited for measuring chilled water, potable water, demineralized water.

DATA LOGGING



M-BUS  
COMMUNICATION



IP68 PROTECTION



BATTERY & DC  
POWERED



FEATURES

## TECHNICAL DATA

Nominal diameter DN	mm	DN50	DN65	DN80	DN100	DN125	DN150	DN200
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<b>Length</b>	mm	200	200	225	250	250	300	350
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Flow rate	Q1(m3/h)	0.1	0.16	0.252	0.400	0.6400	1.00	1.600
	Q2(m3/h)	0.25	0.40	0.63	1.0	1.6	2.5	4.0
	Q3(m3/h)	25	40	63	100	160	250	400
	Q4(m3/h)	31.25	50	78.75	125	200	312.5	500

<b>Accuracy</b>	Class 2
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<b>Connection</b>	Flange
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<b>Pressure Loss</b>	$\leq 25\text{KPa}$
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<b>Operational pressure</b>	$\leq 1.6\text{MPa}$
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<b>Turndown</b>	Q3/Q1= 250
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<b>Data Storage</b>	18 months history data
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<b>Power outage protection</b>	After a power failure, the accumulated flow rate recorded before the power failure and the corresponding time can be saved, and the metering function will be automatically restored after the power is restored.
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<b>Interface &amp; Communication</b>	Infrared, M-Bus and RS485
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<b>Power</b>	Battery/ 24V DC
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<b>Battery Life</b>	$\geq 6$ years
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<b>Protection Class</b>	IP65 (IP68 optional)
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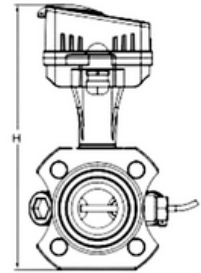
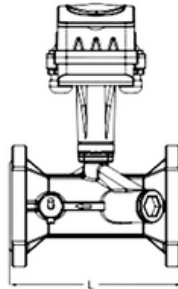
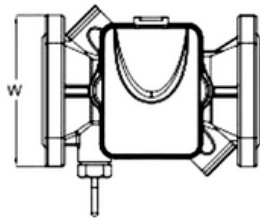
<b>Operating Temperature</b>	Temperature: $-15^{\circ}\text{C}$ to $+55^{\circ}\text{C}$ , relative humidity : $< 90\%$
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<b>Installation</b>	Horizontal or Vertical
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<b>Material of Construction</b>	Cast Iron (CI), Stainless Steel (SS)
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**DIMENSIONS**

Nominal diameter DN	mm	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
Length	mm	200	200	225	250	250	300	350	450	500
Width	mm	175	182	200	200	250	280	340	319	370
Height	mm	292	333	348	368	380	410	480	592	592



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