

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	DN	50	65	80	100	125	150	200	250	300
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Length	mm	200	200	225	250	250	300	350	450	500
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Flow rate	Q1 (m³/h)	0.1	0.16	0.252	0.400	0.640	1.00	1.600	2.520	4.00
	Q2 (m³/h)	0.16	0.256	0.4032	0.64	1.024	1.60	2.56	4.032	6.40
	Q3 (m³/h)	25	40	63	100	160	250	400	630	1000
	Q4 (m³/h)	31.25	50	78.75	125	200	312.5	500	787.5	1250

Accuracy	Class 2
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Connection	Flange
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Pressure Loss	Less than 0.25 Bar
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Operational Pressure	16 Bar
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Turndown	Q3/Q1= 250
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Data Storage	18 months history data
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Power Outage Protection	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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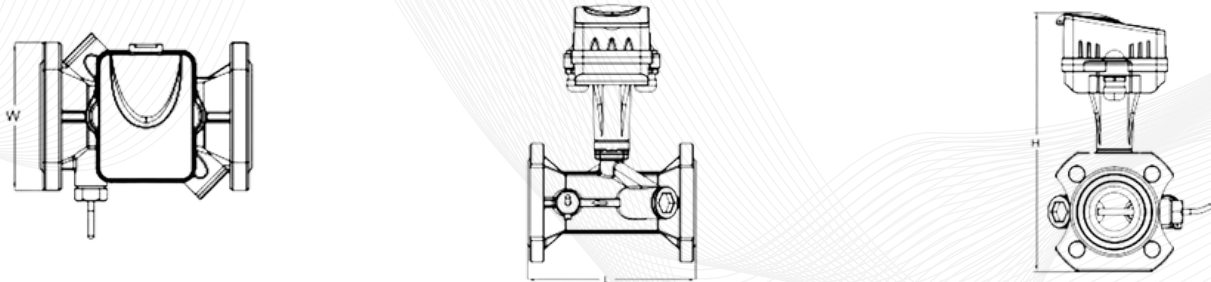
Interface & Communication	Infrared, M-Bus, RS485 and LoRaWAN
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TECHNICAL DATA

Power	Battery / 24V DC
Battery Life	6 years (standard), 8 years (optional)
Protection Class	IP68
Operating Temperature	Temperature : -15°C to +55°C, relative humidity : < 90%
Installation	Horizontal or Vertical
Material of Construction	Cast Iron (CI), Stainless Steel (SS)

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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