

KMW01

Hydrasonic Prepaid Water Meter

Revolutionizing Flow



The KMW01 is an STS (Standard Transfer Specification) compliant electronic valve controlled water meter. It is compatible with both velocity and volumetric type water meters that comply with OIML R49 and ISO 4064 standards and conforms to the STS standard protocol. This makes it an ideal domestic water meter for revenue collection and consumer management.

BATTERY OPERATED



ELECTRONIC
VALVE



IP67 PROTECTION



EASY KEYPAD
RECHARGE



FEATURES

GENERAL

Application	-	Pre-paid Mechanical Water Meter
Ambient temperature	°C	+5 ... +50
Storage temperature	°C	+5 ... +55 max. -20...+85
Humidity	%	90 maximum
Battery supply	-	3.6 VDC
Battery lifetime	-	up to 8 years
Numerical keypad		20 digit token for recharge input
Absolute temperature range	°C	+1 to +50
Protection class	-	IP67
Dynamic range (Qi/Qp)	-	1:100
Mounting position flow sensor	-	Any position

DISPLAY

Display indication	LCD-8 digit + special characters
Units	m ³ , °C, m ³ /h*
Total values	99,999
Values displayed (main loop)	Total Purchased - Total Volume - Purchase remaining Special functions: Total consumption counter - Total recharge counter - Current recharge balance - Over draft counter - Over draft limit - Warning limit - Last recharged balance

FLOW SENSOR TECHNICAL DATA
Meteorological parameters

DN	mm	15	20	25
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Size	Inch	1/2"	3/4"	1"
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Q4 Overload flow	m ³ /h	3.125	5	7.875
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Q3 Permanent flow	m ³ /h	2.5	4	6.3
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R80	Q2	m ³ /h	0.05	0.08	0.126
Q3/Q1	Q1	m ³ /h	0.031	0.05	0.079

R100	Q2	m ³ /h	0.04	0.064	0.1
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Q3/Q1	Q1	m ³ /h	0.025	0.04	0.063
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R125	Q2	m ³ /h	0.032	0.051	0.081
Q3/Q1	Q1	m ³ /h	0.02	0.032	0.05

Max pressure	Bar	16
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Pressure loss		0.63(as complete unit)
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Max temperature	°C	50
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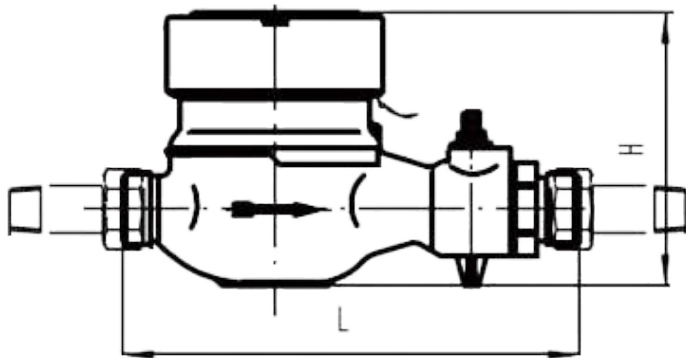
Max reading	m ³	99999
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Max permissible error(MPE)	%	Q1≤Q≤Q2: MPE= ±5% Q2≤Q≤Q4: MPE= ±2%
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DIMENSIONS

Nominal size	Width	Length	Height
mm	W	L	H
15	99	165	104
20	9	195	106
25	103	225	114

Note: dimensions technical parameter are subject to physical products or ordering



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