

User Manual  
KMW01 Hydrasonic **Prepaid**  
Water Meter

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# KMW01

## Hydrasonic Prepaid Water Meter



KMW01 is an STS (Standard Transfer Specification) compliant, electronic valve-controlled water meter. With KMW01 you are assured of continuous good meteorology and revenue protection simultaneously.

It is compatible with both velocity and volumetric-type water meters, which comply with OIMLR49, and ISO4064, and conform to STS standard protocol.

## Metrologic pressure Directi e C MID

Nominal size	Dn	Unit	In-line		
			10	15	20
Maximum flow	4	m <sup>3</sup> /h	1.1	1.0	1.0
Ratio "R"	1		100	100	100
Permanent flow		m <sup>3</sup> /h	0.4	4.0	6.0
Transitional flow			0.04	0.0	0.1
Minimum flow	1		0.0	0.0	0.0
Minimum reading		m <sup>3</sup>	0.000		
Maximum reading			99999		

## Dimensions and diameter

Nominal size	Length	Width	Height	Connecting
	mm			D
10	16	99	104	G1/4B
15	19	99	106	G1B
20	22	100	114	G1-1/4B

Note: dimensions technical parameters are subject to physical products or ordering.

## Recharge credit

- (1) Please go to the local water vendor's sales point.
- (2) Provide meter ID number (ID number printed on the water meter).
- (3) Make payment
- (4) On the printed receipt, you will find the recharge TOKID "00 (Digits)"



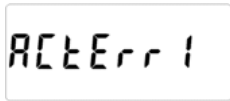

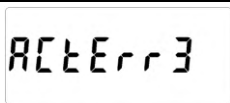
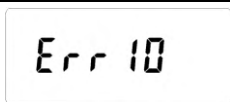
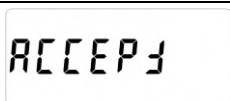
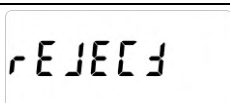
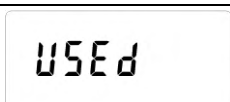
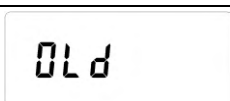


## Input purchased TOKID into meter

- (1) Inputting 00 digits TOKID into the keypad.
- (2) Confirm the number on the LCD.
- (3) If token input is not correct, please use the red "backspace button" to delete.
- (4) After input 00 digits TOKID, please click blue "enter button"
- (5) If token input is correct, the LCD will display "accept"
- (6) If token input is not correct, the LCD will display "reject".

## Short codes

Short code	Description	Short code	Description
00	Toggle data 01, 06, and 0		
01	Total water consumption	06	Total purchase credit
0	Remaining water credit		
10	Toggle data 14, 1, 16		
14	Consumed overdraft	1	Maximum overdraft value
16	Warning low credit value		
0	Toggle data 1-0		
1-0	Last 1th to th Credit Transfer mt. in m		

## Water Meter LCD display's functions

o	Description	Display in LCD
1	Magnetic tamper	
	error operate	
	Valve blocked	
4	Meter malfunction, Token is blocked	
	Water purchase TOK is correct. It will be accepted and "accept" will be displayed.	
6	Water purchase TOK is incorrect. It will be rejected and "reject" will be displayed.	
	When "used" is displayed, it means the TOK has been used.	
	When "old" is displayed, it means TOKEN is out of date.	
9	Low Battery	
10	Valve Close	

11	□□LL	NULL
1□	Total usage	Total 1.00 m <sup>3</sup>
1□	Total Purchase water	Total Purchase 10.00 m <sup>3</sup>
14	Remain water	Purchase Remain 9.00 m <sup>3</sup>

## □□ □□□□e close

The valve closes under following scenarios□

- Tamper detected, such as magnetic scrambling or deliberate damage
- Credit finishes or drops down to low credit warning level. In former case, recharge with credit, the valve will open. In the later case, press any 00, the valve will re-open but will still close when credit finishes.
- When the battery is low

## □□ Inst□□□□tion Instr□ctions

- Install the meters with minimum □0 cm above the surface of ground
- Connect the meter to the pipe in accordance with the arrow direction on the meter body. Make sure the meter is installed horizontally. Vertical installation will lead to drastic drop of metering accuracy.
- The meter installation location should avoid direct sun, ice and water logging. Don't install the meter outside where possible freezing may happen.