

# Intelligent IC Card Prepaid

## Water Meter ICWM



The KIGG ICWM is a secure and stable IC card prepaid water meter with two modes; prepay mode and pay-after-use mode. ICWM's basic functions are battery and valve self-protection, pulse sampling water-proof, self-testing, routine test and incremental water rate. Its features include easily replaced external battery (Lithium or Dry battery), waterproof IC card socket, pilot valve, anti-vibration and a friendly user interface with LCD display.

### Technical:

Subject	Parameter	15mm(1/2")	20mm(3/4")
Model	Aluminum Alloy /Brass body, Cold water	ICWM-015C	ICWM-020C
	Aluminum Alloy /Brass body, Hot water	ICWM-015H	ICWM-020H
Flow Rate (Unit:m <sup>3</sup> /hour)	Start Flow	0.012	0.014
	Minimum Flow Rate Q1:	0.031	0.05
	Transitional Flow Rate Q2:	0.05	0.08
	Permanent Flow Rate Q3:	2.5	4
	Overload Flow Rate Q4:	3.1	5
	Mechanical Measuring Error Q1~Q2:	±5%	
	Mechanical Measuring Error Q2~Q4:	±2%	
Dimension (Unit: mm)	Length (L)	165	195
	Width(W)	76	85
	Height(H)	98	108
	Threads	G3/4B	G1B
Typical Application:	Residential Area		
Main Functions:	Prepayment, Incremental water price, mechanical or LCD display		
Characteristic:	External battery (Lithium or dry), Pilot valve, Water proof IC card socket, High pressure resistance.		
Battery:	15-20 mm, Lithium battery (or option 15-20mm, Dry battery)		
Max./Min. Reading:	9999/0.0001		
Grade:	Class B		
Ambient temperature,( Unit: °C):	0.1~40°C in Cold Water Meter, 5~90°C in Hot Water Meter,		
Working Pressure:	1.0MPa (Max. 1.6MPa in 15min)		
Working Voltage and Current:	DC3.6±0.6V, <40mA (Temperature:15°C~35°C)		
Static Current:	≤20µA		
Relative Humidity:	<93%		
Working Environment:	B E1		
Working Life:	6 years		
Waterproof Class:	IP65 (Option IP67 )		
Other Parameters:	Dry-dial/Multi-jet/VelocitY Type/Horizontal Mount (Option wet type)		

Note: In this form, the flow rates comply with ISO 4064-2005. ISO 4064-1993 flow rates are optional.

The prepaid water meter management system consists of a computer, card reader & writer, IC card and a prepaid water meter. First step: Open an account in the management centre. Second step: Purchase water, an operator will apply credit onto the IC card through the card reader & writer. Last step: Insert the IC card into the prepayment water meter. And the customer can then use water easily and efficiently.

Version 1.2

Technical Specifications subject to change without prior notice

Unit 4, Vale Enterprise Centre, Hayes Road, Sully, Vale of Glamorgan CF64 5SY Great Britain

Tel: 0044 1446 743377

Fax: 0044 5601 258134

Email: sales@kigg.com

website: www.kigg.com



181221