

Flexbile AMI/AMR Solutions



Easy Access & Efficient Data Transmission
by Walk-By, Drive By & Wireless Communication

Extra-advantage of Smart Water Meter

- No Air Detect
- Leakage Manage
- Data Save
- Tamper Prevention
- Alarm
- Illegal use Prevention

SHINDONGA ELECTRONICS CO.,LTD.

impeller

Water Proof IP68

>10 year shelf life

POKETONE Engineering Plastic

Multiple Communication

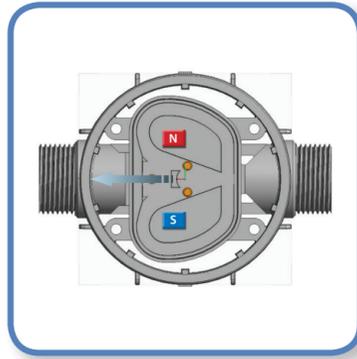
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SHINDONGA ELECTRONICS CO.,LTD.

KEY FEATURES

Very efficient solution for residential water metering



Fluidic Oscillation Meter Type

SES Water meter ensures that the consumption of every single liter of water is accurately registered and billed. With Fluidic Oscillation Theory, The meter has no moving parts and It is unaffected by foreign materials such as a mechanical meter. Thus It is possible to maintain high accuracy and use for a long period.



Innovative Materials

SES Water meter use New engineering plastic called Polyketone. (POK)
Polyketone is a new material with 14 times greater wear resistance than POM and has a strong chemical properties. It has a higher impact strength than Nylon or PE
POK also harmless materials with No lead, Zinc, Formaldehyde.



Smart Metering

SES Water meter supports a variety of communication Environments. This allows you to provide various informations such as leak, burst, reverse flow and tamper detection to users on real time base, as well as water usage. Which makes users easy and convenient i water management.

Electronic Water Meter



15mm in Fluidic Oscillation Type

- ① No moving parts
- ② Enhanced Accuracy
- ③ New Engineering Plastic
- ④ No Air Check
- ⑤ Water Proof & Anti Dust
- ⑥ Drinkable Water certified
- ⑦ Cold resistant
- ⑧ No Wear
- ⑨ No count reverse flow



The Key Difference

Item	Impeller	Fluidic Oscillation
Accuracy	Low	High
Moving Parts	Yes	No
Wear on Parts	Yes	No
Life Time	5 years	10 years
Installation	Limited	No Limit
Drinkable	Harmful	Harmless
Noxious Materials	Pb, Zn Formaldehyde	Free
Self Defense (Theft)	Yes (Metal)	No (Plastic)
Manufacturing Advantage	No	SKD Available

Technical specification

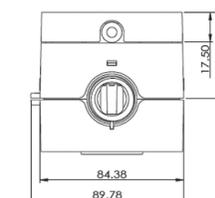
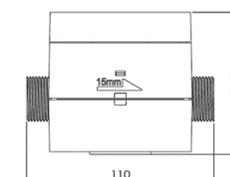
Technical Specification		
	Specification	Remark
Nominal flow rate	2.5 m ³ /h	
Minimum Flow Rate	12.5 l/h	
Accuracy	R200	
Maximum Admissible Pressure	1.0 Mpa	
Pressure loss (ΔP)	< 0.063	
Environment & Mechanical Condition	Class C	
Battery Lifetime	> 10 years	
Water Temperature	0~30°C	0~85°C Optional
Installation Mode	At any angle	
Connection on Meter	G3/4B	

※ Standard compliance : ISO 4064:2014, OIML R49:2006, KTC certified

Accuracy class

ISO4064(edition 1993)				OIML / ISO4064(edition 2014)				
Class A	Class B	Class C	Class D			R250	R200	R160
60 l/h	30 l/h	15 l/h	11.25 l/h	Qmin	Q1	10 l/h	12.5 l/h	15.6 l/h
150 l/h	120 l/h	22.5 l/h	17.25 l/h	Qt	Q2	16 l/h	20 l/h	25 l/h
1.5 m ³ /h				Qn	Q3	2.5 m ³ /h		
3 m ³ /h				Qmax	Q4	3.125 m ³ /h		

Dimension



Length	mm	165 / 110
Height	mm	83.5
Width	mm	89.78
Meter Screw (inch)		G 3/4 B