

SES Electronic Water Meter



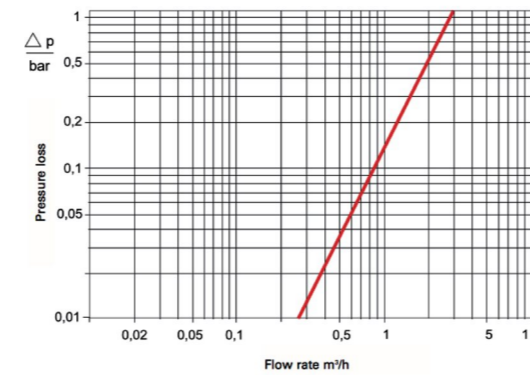
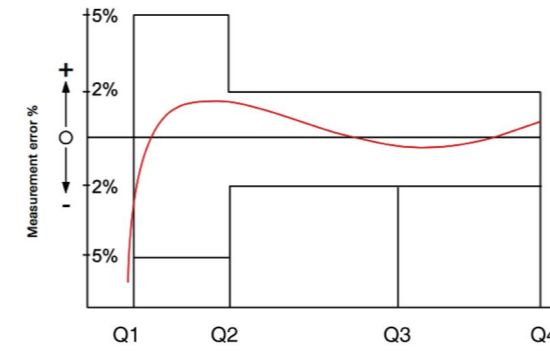
- No Wear**
- No Impeller**
- No Count Air Flow**
- Enhanced Accuracy**
- Installation angle Free**
- Harzadous Materials**
- Water Proof (IP68)**

SES water Meter with Fluidic Oscillation theory, The meter has no moving parts and unaffected by foreign materials. Thus It's possible to maintain high accuracy and use for a long period.

Why "Smart" Meters ?

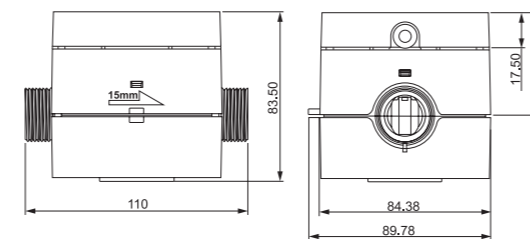
	Mechanical Water Meter	Smart Water Meter
Manipulation Proof		<input checked="" type="checkbox"/>
Reverse Flow Detect		<input checked="" type="checkbox"/>
Lifetime	5 Years	10 Years
Foreign Materials	Damaged	Not Affect
AMR / AMI		<input checked="" type="checkbox"/>
Leakage Detect		<input checked="" type="checkbox"/>
Data Save		<input checked="" type="checkbox"/>

Technical Data / Specification



Materials

Housing: Plastic (Polycarbonate)
 Chamber : Engineering Plastic (Polyketone)
 Magnet : Neodymium Magnet (4,000 Gauss)
 Detector : Titanium
 Battery : Lithium battery
<http://www.poly-ketone.com/en/index.do>



Performance Data

Nominal Size	DN	mm	15 (1/2 inches)
Permanent flowrate	Q3	m³/h	2.5
Ratio "R"	Q3/Q1	R	100/125/160/200
Maximum flowrate	Q4	m³/h	3.125
Minimum flowrate	Q1	l/h	12.5
Transitional flowrate	Q2	l/h	20
Pressure loss at Q3		bar	< 0.063
Maximum admissible Pressure	MAP	bar	10 or 16
Operating Temperature	T	°C	0.1 ~ 30 / 50 / 70
Climatic Environment		°C	5 ~ 55

Other Characteristics

Indication Range	m²	999999,99999
Typical Starting flow rate	l/h	Below 8
Installation		Horizontal & Vertical
Water Proof		IP68
Power Supply		3.6V Lithium Battery
Environment condition		Class C

Dimension and Weights

Installation length	DN	mm	110 / 165
Meter fitting thread	Q3	In	G 3/4
Pipe connection thread	Q3/Q1	In	R 1/2
Dimension	Length	mm	110 / 165
	Height	mm	83.50
Weight	Width	mm	89.78
	kg		0.63

SHINDONGA Electronics Co., Ltd.

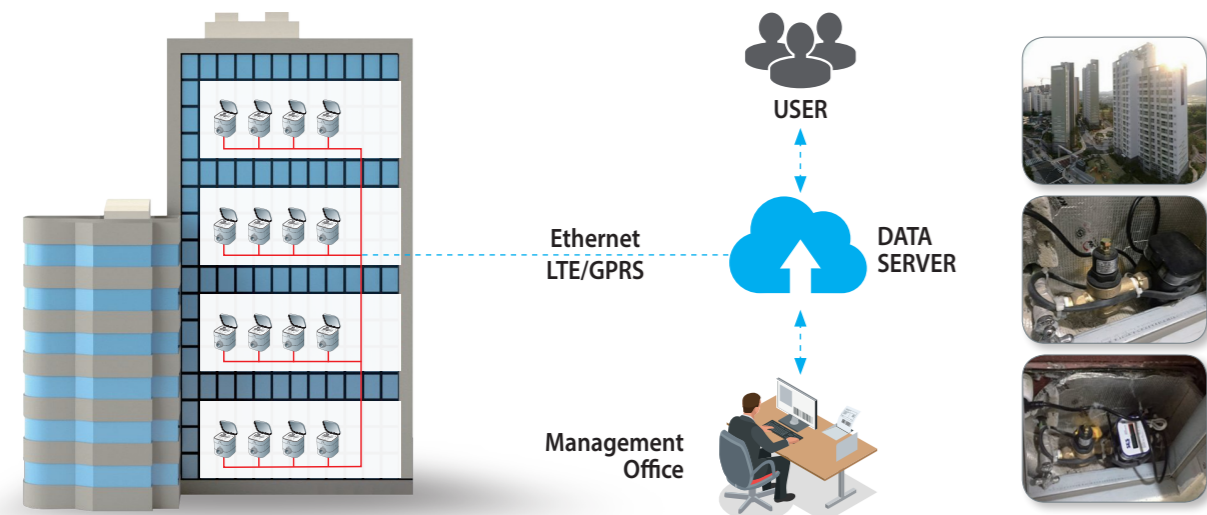
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A Pioneer
 In Smart Water Meter
 From Korea

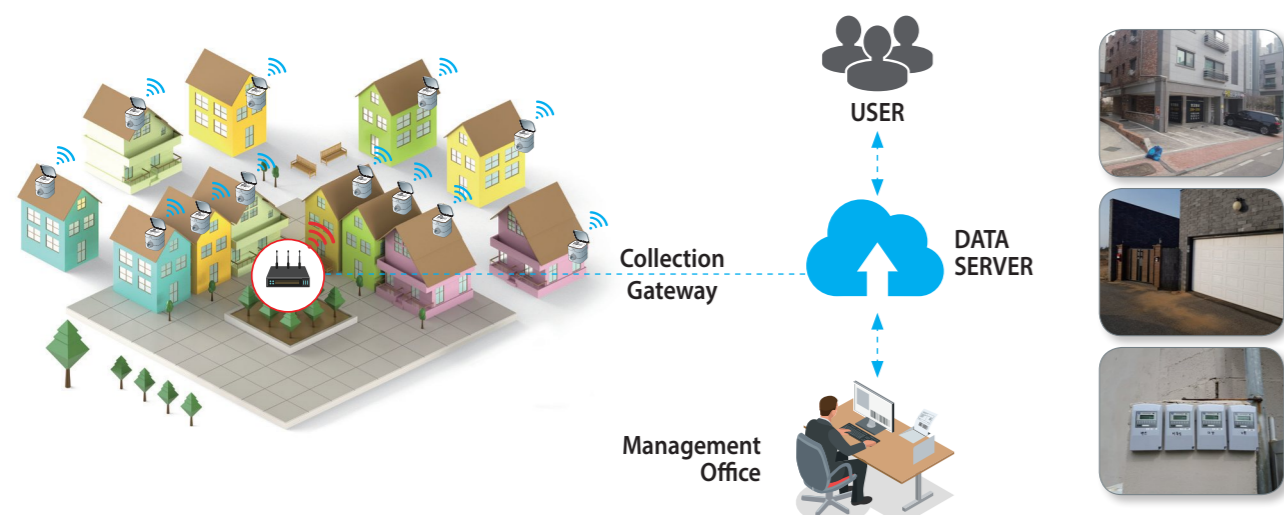


SES Metering Solution

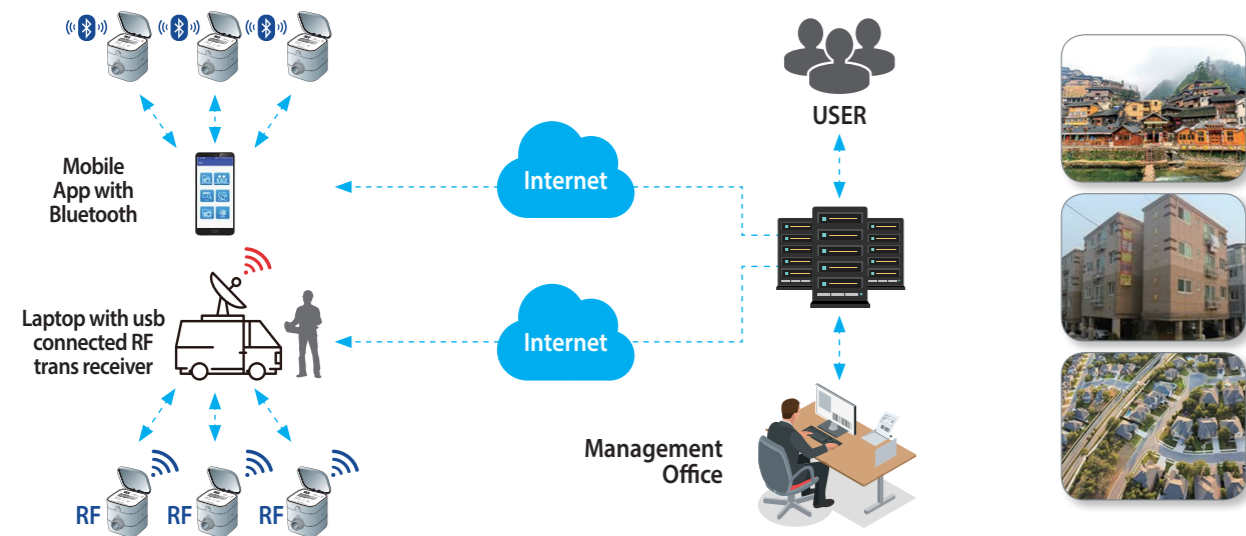
Wired Solution for Apartment (RS485)



Wireless Solution for Independent house (RF based)



Auto Meter Reading Solution (Bluetooth)



World 1st Built in Bluetooth 5.0 in Water Meter

Bluetooth SMART READY

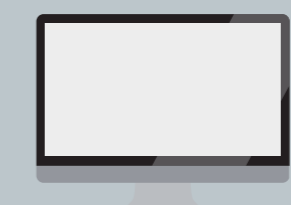
SES Mobile Application

Drop by Drop – Water Management Solution

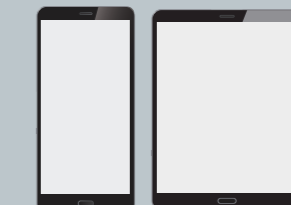
CLOUD

Desktop Software, Mobile Apps, Payable Software

DbD systems often require new technology resources to operate and support, utilities are finding cloud computing to be a viable alternative to investing in server-based meter data management systems



Desktop Software



Mobile Apps



Payable Software