



Solution for all your water consumption
& billing requirements

A New Generation Smart Ultrasonic Battery Operated Water Meter

ULTRASONIC WATER METER

LE-UWM-15

Applications

- * Apartments, Villas, Gated Communities
- * All Municipal Residential, commercial and industrial use Drinking water consumption measurement & Monitoring Applications
- * Complete Billing & Analytical S/W Solution

Key Features

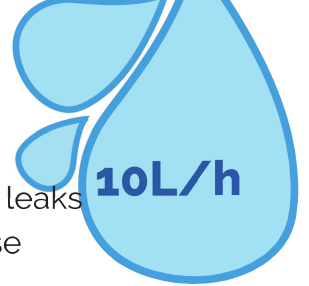
- Ultra low Starting Flow Rate
- Diversified Communication(LoRaWAN)
- Stable, Reliable, and Long life > 10 Yrs
- Data Storage & Security
- Flow display and easy operation
- Complete water billing solution





ULTRASONIC WATER METER

The highly integrated LE-UWM-15 residential water meter is designed and manufactured strictly according to ISO 4064-2005. It is a new generation of all electronic water meter with high measurement range ratio, ultra-low starting flow rate, and various communication interfaces, and it is an optional choice for water flow measurement on small pipe lines (DN15 - DN40).



High Measurement Range Ratio

- » Sample Rate 8Hz ~ 32Hz
- » Bi-directional measurement, Supports Horizontal & Vertical mounting installation

Ultra-low Starting Flow Rate

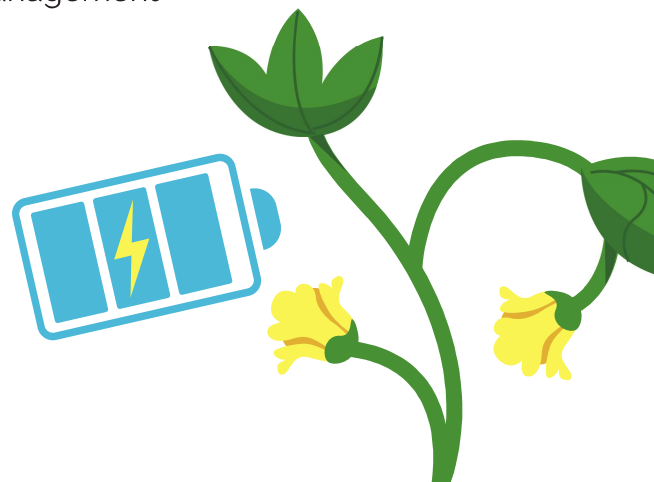
- » Minimum flow rate: 10L/h, detects water leaks
- » Dripping water measurement will increase revenue for water supplying enterprises

Diversified Communication

- » Various communication interfaces support to access to various communication platforms
- » Many kinds of wireless IoT interfaces are reserved, such as LoRaWAN, GPRS, NB-IoT etc.
- » Support photoelectric interface, RS485, M-BUS, RF
- » Support remote meter reading which is convenient for centralized management

Stable and Reliable & Long-term Life

- » No moving parts, no abrasion, impurities will not stuck the water meter, IP68
- » Ultra-low power consumption < 0.15mW, more than 10 years life expectancy
- » Do not measure air



Data Security

- » Ferroelectric memory makes data more secure
- » Can store total flow rate of past 512 days and 256 months separately

Flow Dual-display & Easy Operation

- » LCD display Instantaneous & accumulative flow and various status prompts on one screen.
- » Display Alert Symbols like, Battery Low, Tamper status, Flow Direction, Signal Strength, units m³/LPH, etc

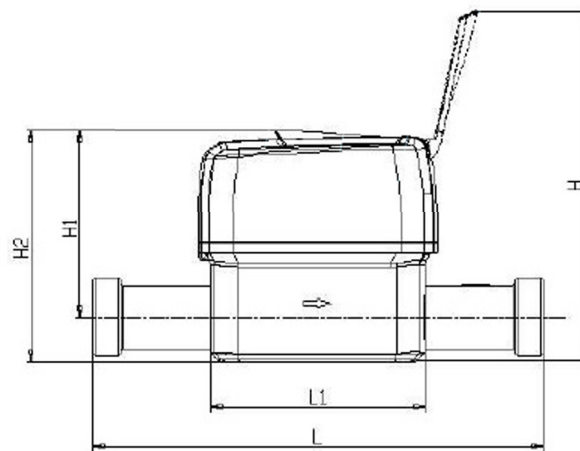


Technical Parameters

Performance	Parameters
Nominal Pressure	: 10 Bar
Maximum Working Pressure	: 16 Bar
Minimum Pressure	: 0.1 Bar
Media Temperature	: 0.10 to 50 Deg C
Operating Temperature	: -15 Deg C to +55 Deg C, <=100%RH
Material of Construction	: Brass/Engineering Plastic
Display Range	: 0 ~ 99999.999 m ³
Communication	: M-BUS, LORA, NB-IOT
Protection, Class	: IP68, Class-2



Mechanical Dimensions



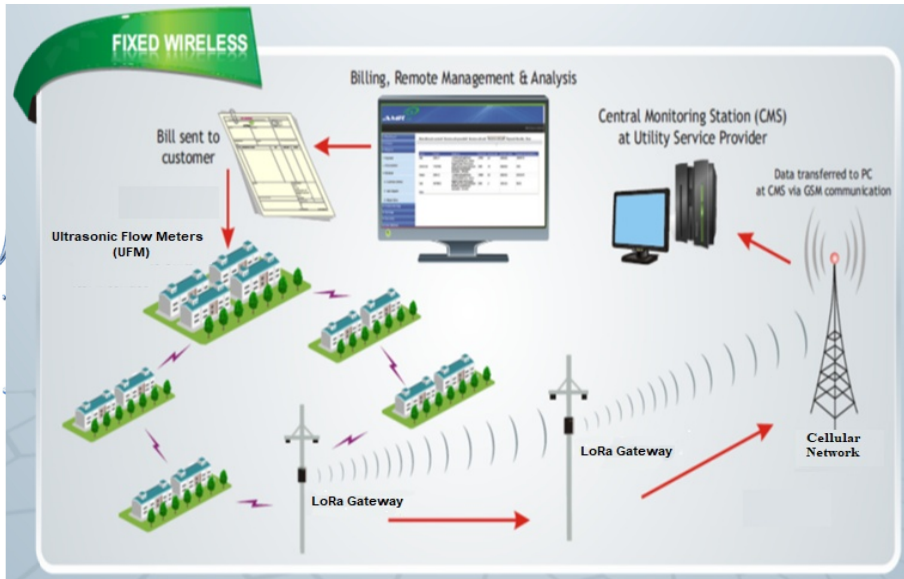
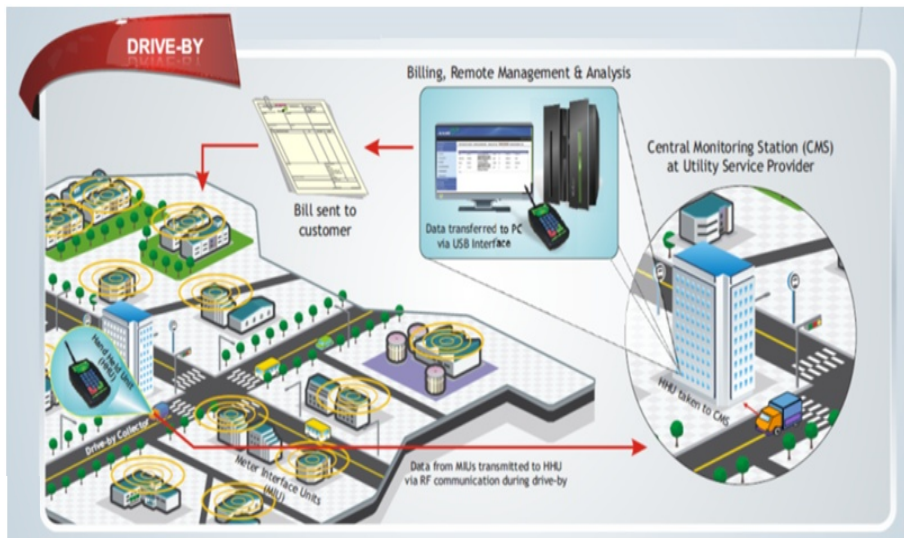
Nominal Diameter (mm)	Overall Length L (mm)	Counter Length L1(mm)	Counter Length L1(mm)	Counter width W (mm)	Total Height H (mm)	Total Height H1 (mm)	Minimum Flow (LPH)	Maximum Flow (LPH)
15	165	90	104	90	148	78	10	3125
20	195	93	104	90	150	80	10	5000
25	225	133	136	92	163	87	20	7875
32	260	135	135	90	218	80	40	12500
40	300	135	135	90	218	84	60	20000

Central Monitoring Station

LE-UFM-CMS

Complete Billing & Analysis Solution

- » Supports centralized Server/mobile App based water consumption monitoring
- » Supports both walk by /drive by and fixed wireless data transferring solutions
- » Comply with all drinking water supply, municipal department requirements



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