



High R Value | Reliable | Long Life

## KEFD

Electromagnetic Watermeter



# KEFD Intelligent Electromagnetic Water Meter

Drip Measurement to Achieve Accurate Leakage Control



## Typical Applications:

Large commercial user's trade settlement:

- Guarantee measurement accuracy for a long time
- Control measurement error
- Reduce the gap between marketing and production

DMA: Effectively collect minimum flow effectively at night to achieve accurate leakage control.

## Application Characteristics:

- **Wide measurement range:**  $Q_4/Q_1 = 400$ ;  $Q_2/Q_1 = 1.6$   
( $Q_1$  Minimum flow /  $Q_2$  Demarcation flow /  $Q_3$  Common flow) It provides the perfect solution of difficult small flow measurement.
- **Minimum velocity:** 5mm/s. It is much lower than that of traditional mechanical water meter. The minimum flow at night can be accurately measured.
- **Protection class: IP68.** The whole instrument with IP68 is dust tight and suitable for continuous underwater immersion.
- **Integrated design with measurement and data remote transmission.** This integrated design without any outer connecting line can ensure the measuring data to be safely kept for extended time.
- **Strong anti-interference.** It conforms to the E2 standard of electromagnetic environment.
- **3.6V Lithium battery or 24V DC power supply.** The battery can last for more than 6 years under normal working conditions.



Front

Back

Left

right

**oem**  
OEM Available

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## Technical Parameters

Rated Pressure: 1.0 MPa

Special Pressure: Customized

Temperature Grade: T50

Electrode Type: Standard Fixed

Caliber: Pipe & Flange Type DN40 - DN300

### Material

**Electrode:** 316L Stainless Steel

**Lining:** NR (Natural Rubber)

**Flange:** Carbon Steel, Stainless Steel

**meter Body:** Carbon Steel, Stainless Steel

### Power Supply

3.6V Lithium Battery

3.6V Lithium Battery + 24V DC Double Power Supply (9V DC - 32V DC)

3.6V Lithium Battery + 220V AC Double Power Supply (85V AC - 265V AC) (Only for split)

3.6V Lithium Battery + Solar Power (Only for split)

Protection Grade: IP68

Number of Electrode: 4

Flow Direction: Forward and Reverse

Communication: RS-485 (Modbus), GPRS  
RS-485 (Custom Protocol)

Ambient Temperature: -25°C ~ 55°C

Storage Temperature: -40°C ~ 60°C

Output Signal: Pulse (Only For Calibration)

Alarm: Reverse Flow, Low Battery, Instantaneous Flow Rate Exceeding  
The Upper Or Lower Limits Blank Pipe, Excitation