akvodrops™

every drop counts...

Water Flow Detector - ADWB

every drop counts...

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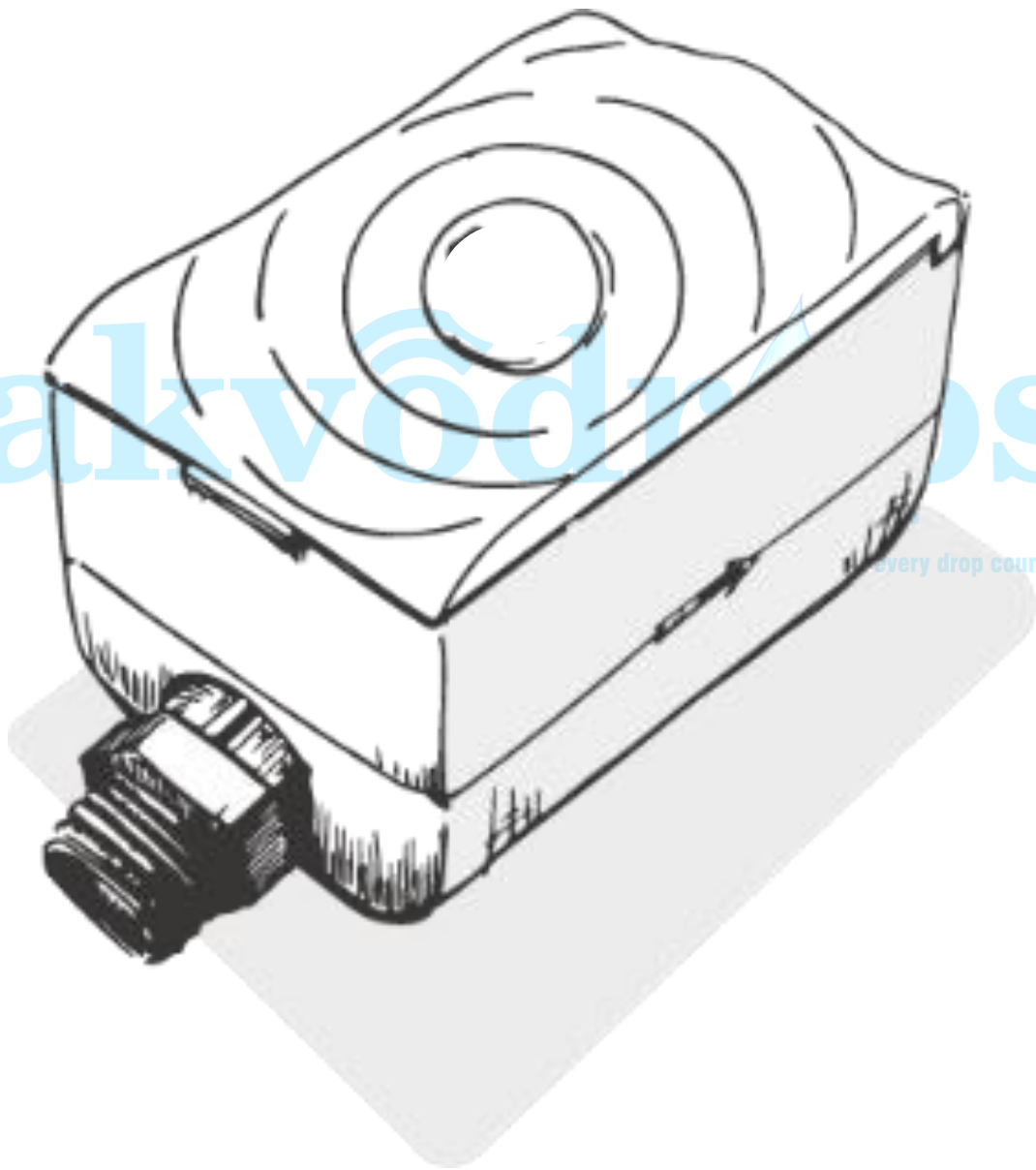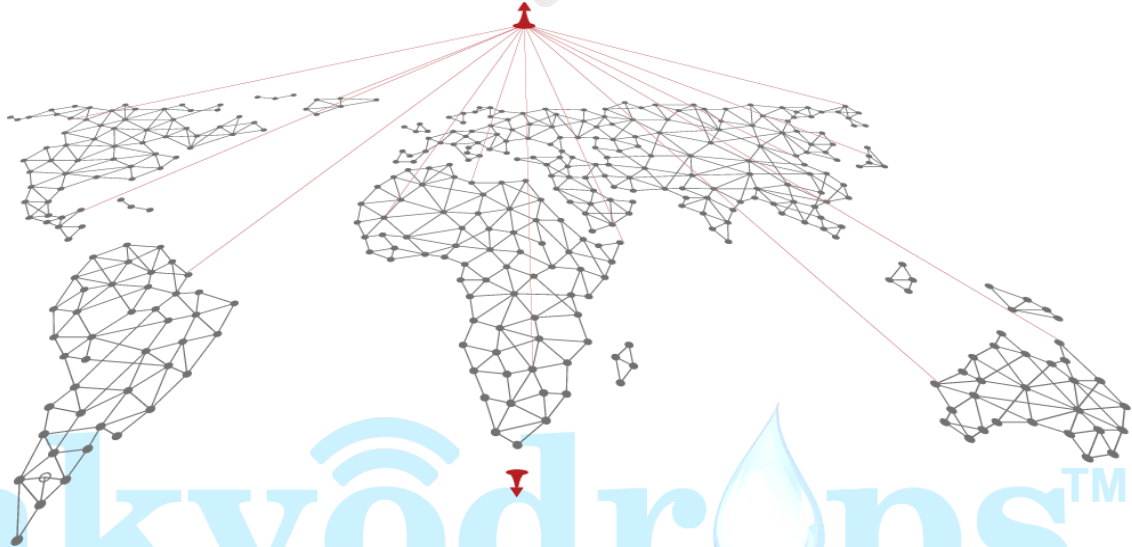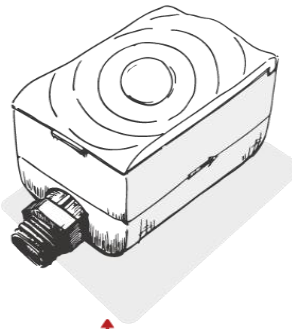
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I am rigorous on meter protection.
High temperature, high humidity, UV, all under my presiding intelligence.

high temperature   high humidity   UV

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![akvodrops™ every drop counts...]

Streamline top cover coloring in ocean blue, Let every opening be a new experience.

Simple but comprehensive LCD design, making exploration of ADWB to be full of fun.

Once again upgraded photosensitive technology, make new surprise on next touch.

High precision measuring technology, when water flow across, every single drop of

water is 'carved in my heart'.

Simply install on the proper position, leave the remaining work to ADWB

Small body, big energy. Flexible lithium battery setting avoiding failure of the entire meter upon only one set of battery problem.
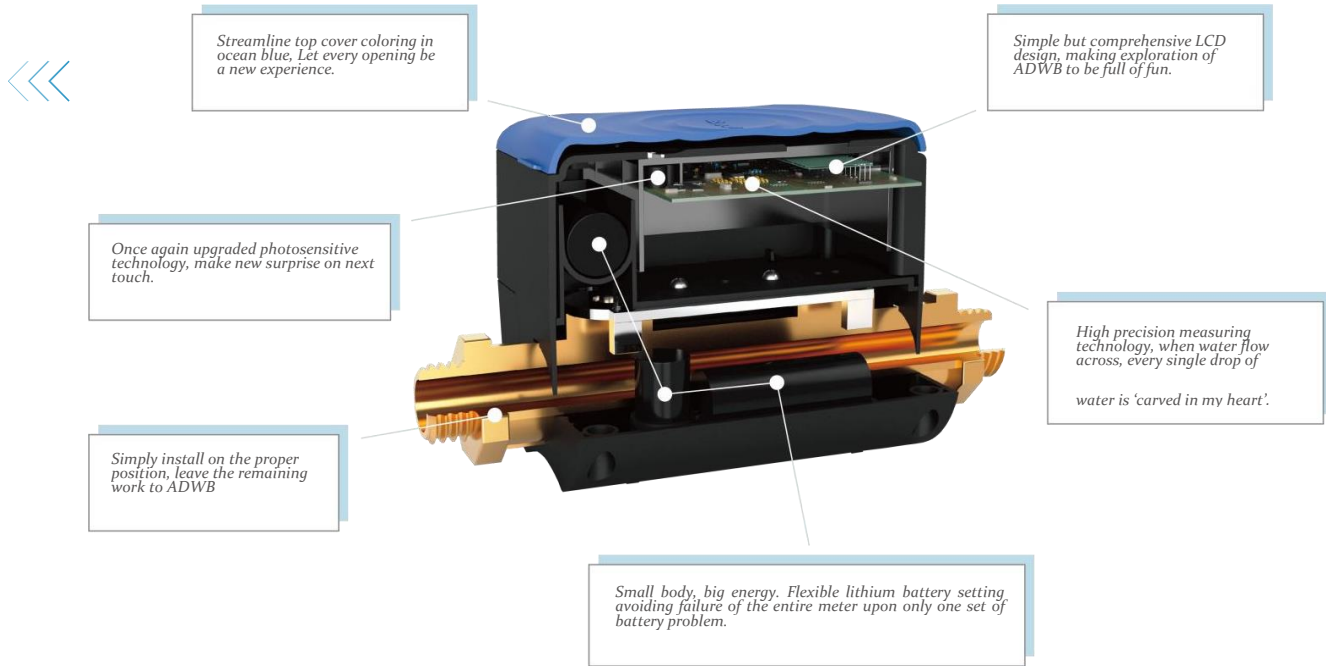
1. Flexible Battery Life Span

ADWB has no moving parts, presents as IP68, and its body is fabricated from durable brass material. This robust design makes the ADWB maintenance-free and highly precise throughout its flexible 10 or 15 years battery life depends upon customers' needs.

10-15 years

2. Battery Replaceable

Battery is able to get replaced in case of failure of battery sets. This action can be treated by professional engineers without any injection on electronic parts.

3. Proof of Humidity, Water and UV.

ADWB is specially designed for extreme complex environment which has high humidity, blood or high UV.
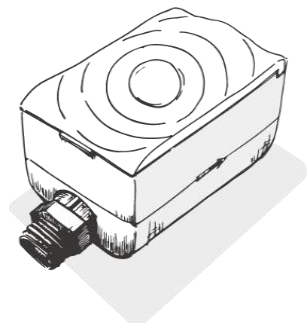
4. IoT Ready

ADWB supports multiple communication interfaces for both wired and wireless which suitable for any type of installation environment, e.g. MBus, RS485 (Modbus), Pulse, LoRaWAN.

5. Multiple Dynamic Range Options (Q3/Q1)

Application for multiple requirements. From R160 to R250 and R400. Able to count every drop of water.
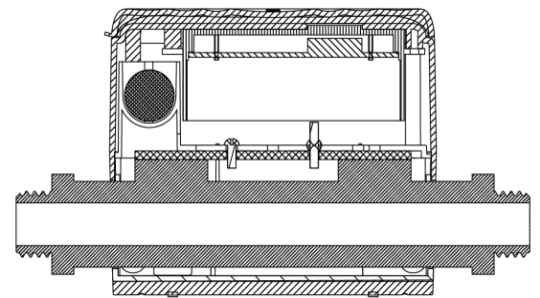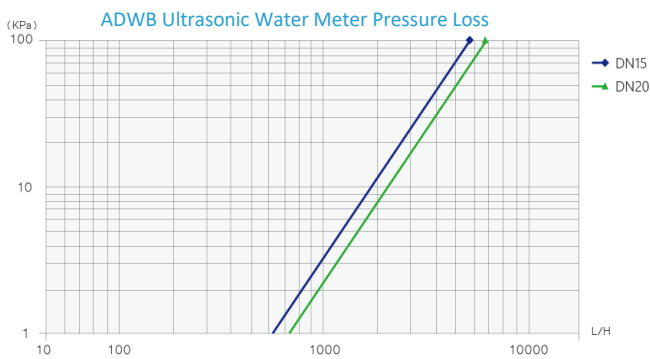
6. Exceptional Industry Design

Golden ratio of Length-Width-Height, splendid color assortment with Ocean Blue & Night Sky Black. Anti-dirty enclosure ensures long duration of tidy outlook same as original meter.

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Model	ADWB - 15	ADWB - 20
Pipe Diameter	DN15	DN20
Minimum Flow Rate qi (m³/h)	0.00625	0.01
Permanent Flow Rate qp (m³/h)	2.5	4.0
Maximum Flow Rate qs (m³/h)	3.125	5.0
Connection	G3/4'	G1'
Length (mm)	165	195
Width (mm)	81	81
Height (mm)	100	100
Temperature	Medium Range: 0.1℃......30/50℃ (T30/T50) Ambient temperature: 5~55 ℃ Storage temperature -- 20~60 ℃	
Materials	Brass 59-1	
Metrological Class	Class 2, R160, R250, R400	
Maximum Operation Pressure	1.6 Mpa	
Pressure Loss	△P<63kPa	
Pressure Stage	PN16	
Protection Class	IP65/IP68	
Battery	3.6VDC lithium battery, 6/10/16 years lifetime optional	
Data Storage	24 months history data	
Environmental Requirement	Environmental Class: E1, M1, B	
Interface & Communication	Sigfox M-Bus Pulse output (optional) RS-485 (optional) LPWAN (LoRa, NB-IOT) (optional)	
Installation	Horizontal or Vertical	
Display and Indication	Unit: m³/ Gallon (optional) LCD: 8-digit	
Standard Compliance	EN14154 ISO4064 OIML R49	

ADWB Ultrasonic Water Meter Pressure Loss

- DN15
- DN20

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