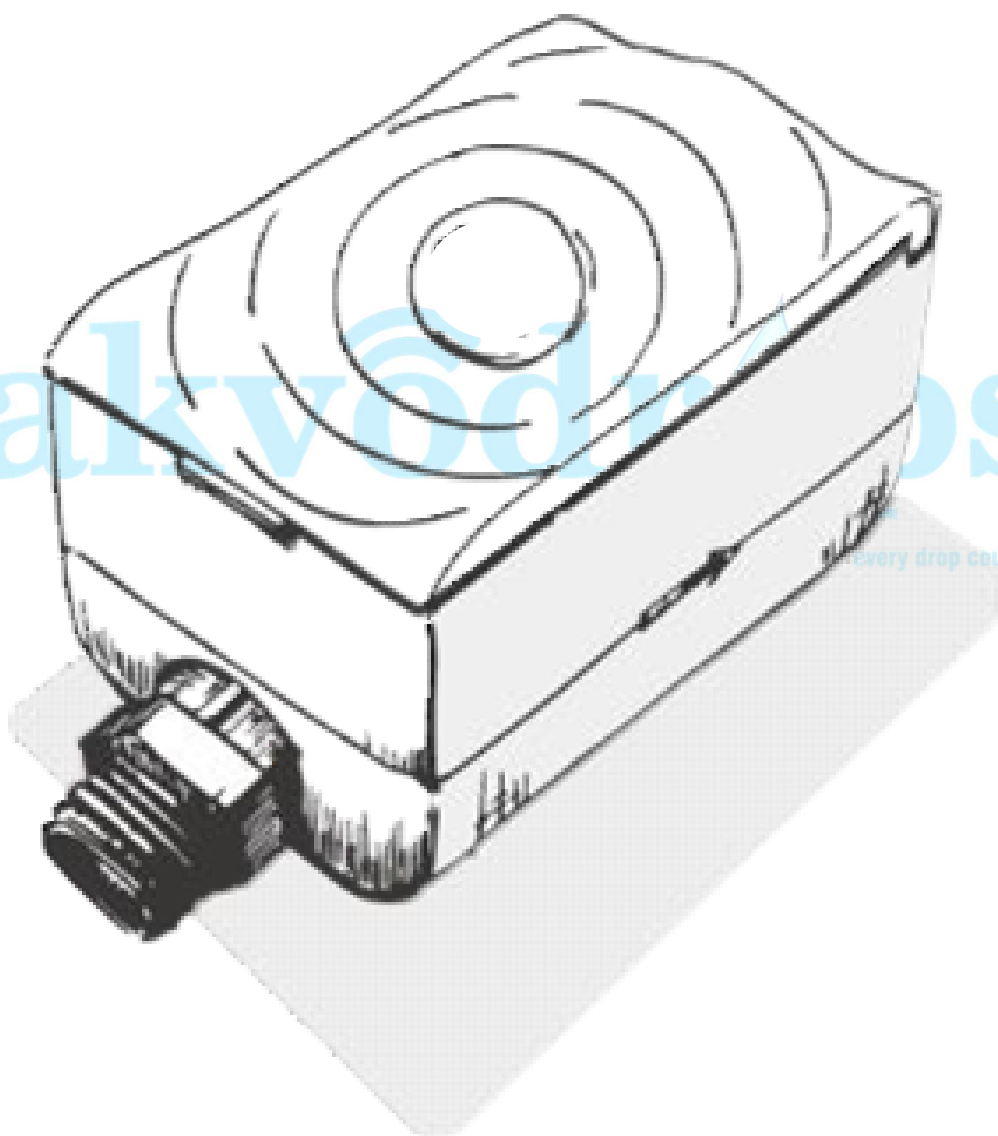
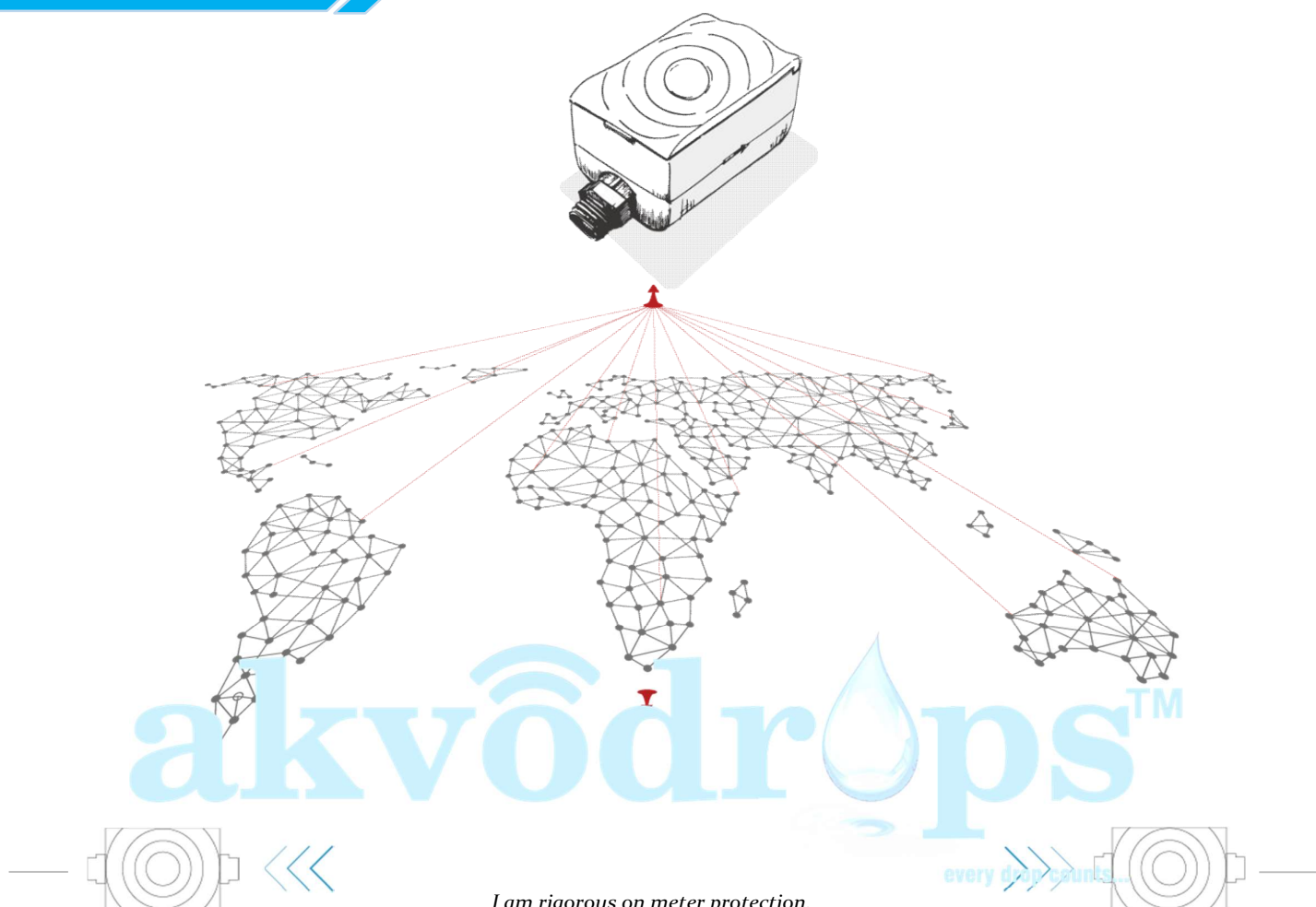


ADWB



every drop *counts...*

INTRODUCTION



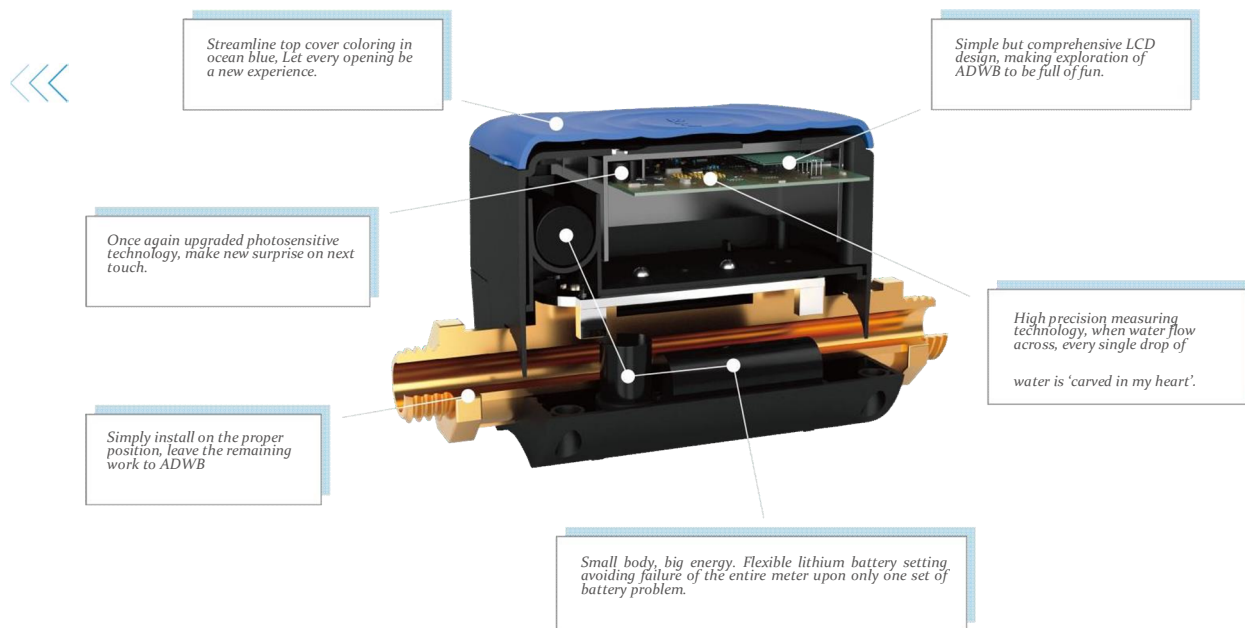
high temperature



high humidity



UV



## 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.

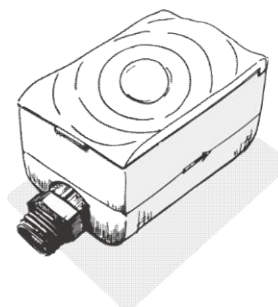


## 5. Multiple Dynamic Range Options (Q3/Q1)

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

## 6. Exceptional Industry Design

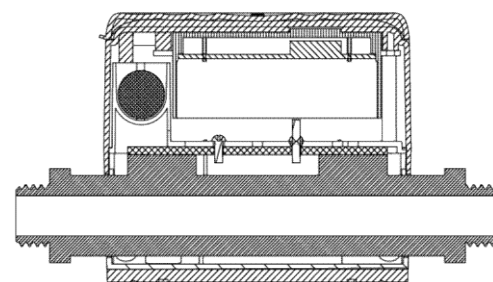
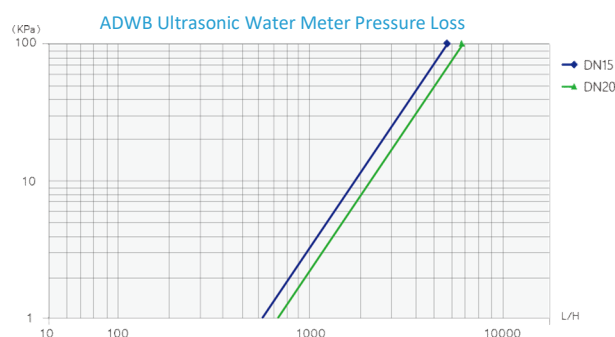
Golden ratio of Length-Width-Height, splendid color assortment with Ocean Blue & Night Sky Black. Anti-dirty enclosure ensures long duration of tidy outlook same as original meter.



every drop counts...

## DIMENSIONS

| Model   | ADWB - 15   | ADWB - 20 |
|---|---|-----------|
| Pipe Diameter                                 | DN15  | DN20      |
| Minimum Flow Rate $q_i$ (m <sup>3</sup> /h)   | 0.00625   | 0.01      |
| Permanent Flow Rate $q_p$ (m <sup>3</sup> /h) | 2.5   | 4.0       |
| Maximum Flow Rate $q_s$ (m <sup>3</sup> /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°C... 30/50°C (T30/T50)<br>Ambient temperature: 5~55 °C<br>Storage temperature -- 20~60 °C |           |
| Materials                                     | Brass 59-1  |           |
| Metrological Class                            | Class 2, R160, R250, R400   |           |
| Maximum Operation Pressure                    | 1.6 Mpa   |           |
| Pressure Loss                                 | $\Delta P < 63$ kPa   |           |
| 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)<br>RS-485 (optional) LPWAN (LoRa, NB-IOT) (optional)                   |           |
| Installation                                  | Horizontal or Vertical  |           |
| Display and Indication                        | Unit: m <sup>3</sup> / Gallon (optional) LCD: 8-digit   |           |
| Standard Compliance                           | EN14154 ISO4064 OIML R49  |           |



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every drop counts...