



Floating Smart water quality meter



Model Episode 1.
Sensor pH Temp ORP



Bluetooth



Wi-Fi



Mobile app
available



1 charge
4months



IPX8
Waterproof



Data log



Certification No.
R-R-s01-Episode 1

Features



-  IPX8 Waterproof
-  Wi-Fi and LoRa Network
-  3 types of water quality sensors
-  Long duration time on use with one charging
(Over 4 months)
-  Cloud Server and Smart Application

Expansion

Expansion of communication range



Expanded to LPW communication(LoRa)
Checking spread of pollution through the map

Data monitoring API



Data log for each sensor and warning push alarm in real time
Visualization of data (Chart for every hour, day, week and month)
Provision of API guide document



The product is able to be used with
Codemeter App. Of Google play store.



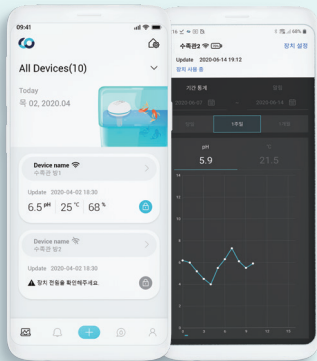


Floating Smart water quality meter

Code meter, the measurement brand of SoTheCode is able to be used in water quality fields like fish farm, food factory, water supply and drainage facility , etc. with its IoT technology and buoyancy function.

Ex-water measurement devices are divided into equipment-type and potable-type. Our product is wireless and buoyant so it is able to be installed directly and usable in site and also provides equal services with equipment-type devices.

Model Episode 1.



Sensor

Able to use 3 kinds of sensor of pH, temperature and ORP
Able to expand to DO, Salinity sensors

Auto Calibration

Auto calibration in App.
Codemeter able to calibrate Separately without App.

Data log

Checking real time measured data by App.
WiFi, Bluetooth(BLE)

Long-Term Use

Use more than 4 months
USB-C type charging



Built-in ORP sensor

ORP(oxidation-reduction potential)

ORP is an analog value that indicates activity of electron in oxidation or reduction system.



Variation of ORP value is influenced by chemical change or biological reaction in water tank. The variation by change of the value(increasing, decreasing) is a standard index that doubts pollution of water, condition of water quality.

Correlation with ORP and DO (Dissolved oxygen)

ORP(Oxidation-reduction potential) has the almost same tendency with DO(Dissolved Oxygen) so ORP increases when DO increases.

Thus we say the water quality is better in stream or lake when ORP is higher and the water gets more corruptive due to fermentation with lack of oxygen when ORP gets lower.

ORP	Water quality
Less than 100mV	very bad
100-200mV	Bad
200-300mV	Fine
300-400mV	Very good
400-450mV	Excellent
More than 450mV	Dangerous



SO THE CODE

Tel +82 70 4367 4738 **Email** jaden.oh@sothecode.com

Address

#114, Main buliding, Jeonju University, 303, Cheonjam-ro,
Wansan-gu, Jeonju-si, Jeollabuk-do, Republic of Korea 55069

Homepage www.sothecode.com

