



**Information on  
groundwater level and  
water quality due to  
Lidar technology**



**Wireless data transfer  
to the cloud**

**Groundwater data  
map and responsive  
dashboard reports  
and customizable**



### **Contact us**

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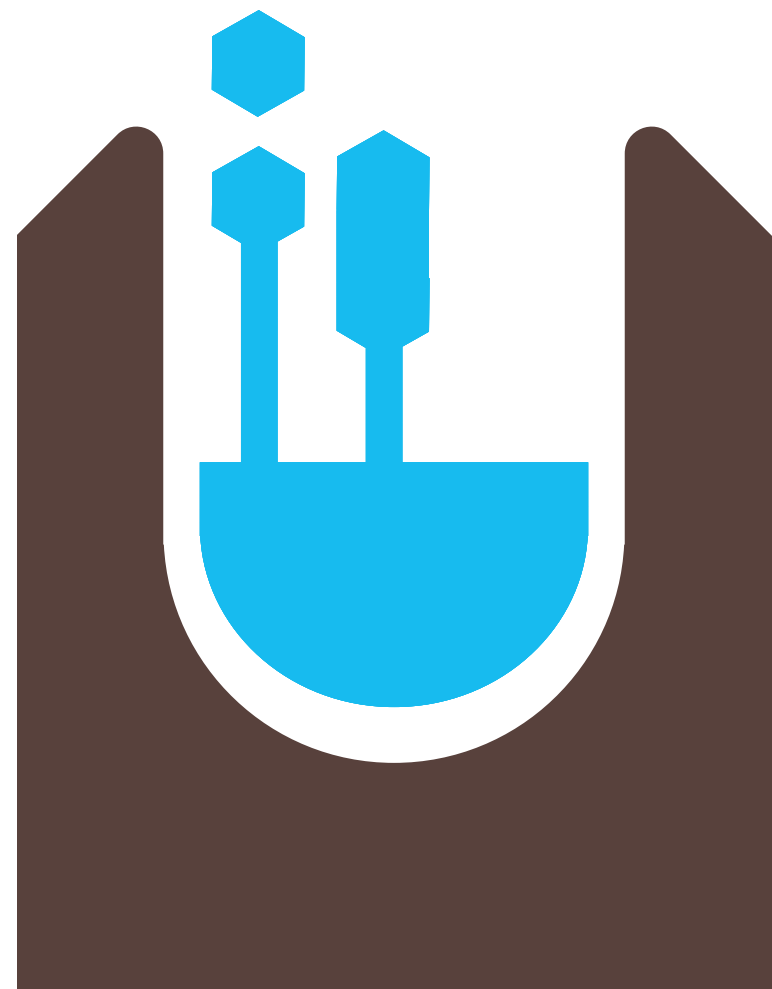
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# **Saemmulter**

## **Clean Groundwater Tech**

Beyond readily measuring groundwater data device,  
we assist you with a monitoring system for sustainable  
management decisions





## IoT technology

Access groundwater level and water quality information through wireless communication without the need for physical presence

By leveraging the cloud system we are building, data management will be facilitated by automatically transmitting real-time information



## Space-saving

More than ten times space-saving compared to existing facilities for equipment protection

Cost and space savings for hardware protection installation



## Easy installation & operation

With LiDAR technology, the measurement process becomes significantly more accessible, allowing for more than a 2x cost reduction in management compared to other companies

Even non-experts can easily replace the equipment in case of issues



## Diversification of real-time data utilization

It can be utilized in various settings, such as local government agencies, research institutions, and for development, maintenance, and research purposes

Preserve measurement data with cloud storage, minimizing loss

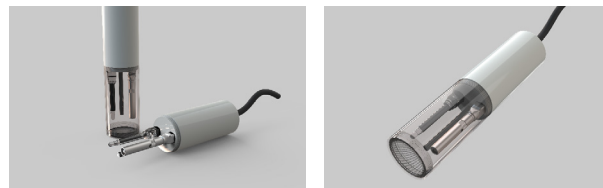
## Woomoolsem

Automatic groundwater level measuring



| category               | content                   | Details                                      |
|------------------------|---------------------------|--|
| battery                | 7.2VDC                    | lithium-ion battery<br>2Cell X 4 max 4000mAh |
| charging voltage       | 12VDC                     | max charging current 1A                      |
| Display                | OLED                      | 2.42inch 128X64 dot                          |
| input function         | 2channel switch           | waterproof metal switch type                 |
| power                  | 1 Channel physical switch | pushlock metal switch type                   |
| wire communication     | UART 1channel             | 3.3V Level TTL correspond                    |
| wireless communication | LTE, Lora                 | LTE CAT-M1,<br>Lora 920 ~ 925MHz             |
| storage                | SD Card                   | MAX 32Gbyte                                  |
| measurement type       | infrared LiDAR            | -  |
| measurement resolution | 1cm                       | -  |

## Supplementary Products



### Water quality sensor

Electrical conductivity, TDS, temperature, PH information  
It can be added to existing products



## 'YoonSeul' monitoring service

The only service in the world where you can see groundwater level monitoring data and precipitation at a glance

01 Wide view data graph through a whole map

02 Monitoring plan with a flexible and intuitive interface

03 Graphs view in large letters on big screen