

# Rope Water Level Gauge

# WL Series

TYPE1 / TYPE2 / TYPE3 / TYPE4



## Innovative Lightweight Housing and Circular Rope Marked in a 1 cm Scale

A high quality rope water level gauge with an innovative lightweight housing and circular rope implemented. This product can be used to measure the water level of various areas and in various fields, such as the groundwater, rivers, dams, aquaculture ponds, seawater, lakes, boring holes, drilling wells, and food factories. Different from conventional products with a tape measure, the rope of this product will never stick to the inner walls of wells or boreholes, which ensures ease of use.

(Utility Model Registration: Registration No. 3148373)



- This product uses a rope with a round cross-section (external diameter: approx. 4 mm). Compared to conventional products, the cross-section has been made smaller. The rope is designed to be less vulnerable to the influence of surface tension on droplets inside boring pipes during measurement. Copper wires have been additionally incorporated in stainless wires passing through the rope, which enables the user to send signals more accurately from electrodes to the buzzer section. The stainless wires are very strong and cannot be easily broken without excessive force applied.

- The exterior of the sensor section is made of stainless steel, which guarantees safe usage outdoors as well as guaranteeing durability.
- Because we have improved the material, changing from metal to plastic, the reel housing has become light and compact, making it handier to carry around. In addition, the build-in stopper prevents idle running.
- One dry cell battery (006P) is used for power. It will last approximately three months for general use (once a week). (A LR44 battery needs to be used separately only for TYPE3.)

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## Product Lineup

Seawater are also available.

The specifications are subject to change without notice.

### TYPE 1 ●Electronic sound

Notifies of the water level through activation of the electronic sound



Probe A or B  
 30 m (WL-30 TYPE1)  
 Weight: approx. 1.5 kg  
 50 m (WL-50 TYPE1)  
 Weight: approx. 1.8 kg  
 100 m (WL-100 TYPE1)  
 Weight: approx. 2.6 kg

Price: Open

### TYPE 2 ●Electronic sound ●Red light

Notifies of the water level through activation of both the electronic sound the red light



Probe A or B  
 30 m (WL-30 TYPE2)  
 Weight: approx. 1.5 kg  
 50 m (WL-50 TYPE2)  
 Weight: approx. 1.8 kg  
 100 m (WL-100 TYPE2)  
 Weight: approx. 2.6 kg

Price: Open

### TYPE 3 ●Electronic sound ●Red light ●Digital water temperature gauge

Notifies of the water level through activation of both the electronic sound the red light



Probe A or B  
 30 m (WL-30 TYPE3)  
 Weight: approx. 1.6 kg  
 50 m (WL-50 TYPE3)  
 Weight: approx. 1.9 kg  
 100 m (WL-100 TYPE3)  
 Weight: approx. 2.8 kg

Price: Open

Temperature gauge accuracy:  $\pm 1$  to  $2$  °C (10 °C to 40 °C)  
 $\pm 2$  to  $3$  °C (-19.5 °C to 10 °C / 40 °C to 99.9 °C)

### TYPE 4 ●Electronic sound \*Metallic reel

Notifies of the water level through activation of the electronic sound (Specifications for metallic reel housing)



Probe A or B  
 150 m (WL-150 TYPE4)  
 Weight: approx. 4.0 kg  
 200 m (WL-200 TYPE4)  
 Weight: approx. 4.7 kg  
 300 m (WL-300 TYPE4)  
 Weight: approx. 6.3 kg  
 400 m (WL-400 TYPE4)  
 Weight: approx. 8.7 kg

Price: Open

Approximate external dimensions (reference): W190 mm × H260 mm × D150 mm (for products of 30 m to 50 m)

W250 mm × H320 mm × D250 mm (for products of 150 m to 300 m)

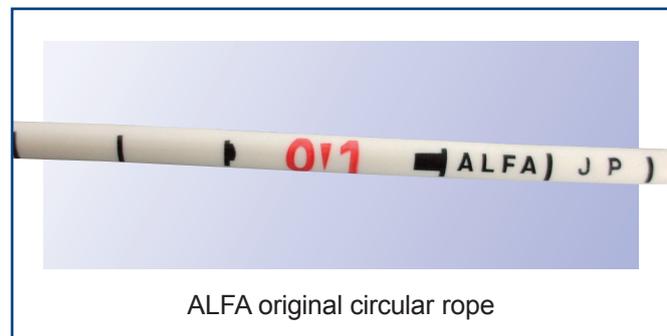
\*Products of 400 m or more require a special order. Please feel free to contact us if you have any further questions.



## Probe

Choose a probe appropriate to your purpose.

- Probe A: 20 mm  $\phi$  / approx. 160 g
- Probe B: 13 mm  $\phi$  / approx. 100 g
- Probe C: 10 mm  $\phi$  / approx. 60 g / Length about 170 mm (optional)



ALFA original circular rope



A special threaded spindle is also available (optional).