



Never has there been such emphasis on water cleanliness

It's crucial that we test and monitor our waters before, during and after activities like construction works that may have an impact on water quality. Although there have been multiple options available in the past, there hasn't been a 'total solution' – until today!

Introducing WATR – a versatile environmental monitoring product that can be used on the water surface, or at the bankside where water conditions are unsettled.

WATR is capable of monitoring for a number of different parameters: **pH, conductivity, temperature, turbidity, depth, and dissolved oxygen**. To find out more about why measuring each of these aspects is important, please turn the page.

WATR can monitor water in a variety of different environments and features a remote switching capability for aerators and pumps. By monitoring key parameters, the switch allows users to set custom thresholds that trigger activation or deactivation of equipment. This results in machinery only operating when necessary, also meaning that equipment could be erected ahead of time and only activated when necessary.



Solar
Powered



Real-time
data



Alerting
capability



We are proud to be a preferred hire partner of WATR products. To find out more:

environmental@sunbeltrentals.co.uk
0370 330 6021
www.sunbeltrentals.co.uk



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Why is it important to test the pH of water?

pH measures how acidic or basic water is, with a scale ranging from 0 (acidic) to 14 (basic). Most aquatic life thrives in a pH range of 6.5 – 8.5, but extremes can harm organisms, alter chemical solubility, and effect treatments in water systems.

Applications: agriculture, fisheries, drinking water treatment, wastewater management

Range= 2-10 | Accuracy= ± 0.05 pH | Resolution= 0.01pH

Why is it important to test the conductivity of water?

Conductivity measures the water's ability to conduct electricity. High conductivity indicates high dissolved salt content, which can impact water quality and aquatic life.

Applications: monitoring drinking water, irrigation, aquaculture.

Range= 0-2000 μ S/cm | Accuracy= $\pm 1\%$ FS | Resolution= 0.01 μ S/cm

Why is it important to test the temperature of water?

Temperature affects several physical and chemical properties of water, and extreme water temperatures can stress or kill sensitive species.

Applications: ecosystem monitoring, industrial cooling processes, power plants, fisheries management, climate change studies.

Range= -5°C - 40°C | Accuracy= 0.1°C

Why is it important to test the turbidity of water?

The turbidity (cloudiness or haziness) of water is caused by suspended particles like soil, algae, and microorganisms. High turbidity can reduce light penetration, affect photosynthesis in aquatic plants and overall health of ecosystems.

Applications: monitoring drinking water, sediment control, construction site management and flood prevention/control.

Range= 0.01 - 100 NTU; 0.01 - 4000 NTU | Accuracy= $\pm 1\%$ or ± 0.1 NTU | Resolution= 0.01 NTU

Why is it important to test the depth of water?

Depth monitoring is crucial to indicate water body volume, flow rates, pressure in aquatic environments, and supporting flood prevention methods.

Applications: environmental monitoring, flood management, dam management, reservoirs, construction works, aquatic research

Range= 0~200m | Accuracy= 0.2%F.S./0.5%F.S

Why is it important to test the dissolved oxygen of water?

Dissolved oxygen level indicates water quality which is essential for aquatic life, and low levels of dissolved oxygen can be detrimental to upholding life.

Applications: wastewater treatment plant management, aquaculture, natural water systems, pollution monitoring

Range= 0-20 mg/L, 0~20ppm | Accuracy= $\pm 3\%$ | Resolution= 0.01mg/L, 0.1%



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