

# BA200 Portable blue-green algae analyzer



## Principle of measurement:

The portable blue-green algae analyzer is composed of a portable host and a portable blue-green algae sensor. By taking advantage of the characteristic that cyanobacteria have absorption peak and emission peak in the spectrum, they emit monochromatic light of specific wavelength to the water. Cyanobacteria in the water absorb the energy of the monochromatic light and release monochromatic light of another wavelength. The light intensity emitted by blue-green algae is proportional to the content of cyanobacteria in the water.

## Application:

It is widely used in the field portable monitoring of blue-green algae in aquaculture, surface water, scientific research universities and other industries.

## Features:

- Portable host IP66 protection level;
- Ergonomic curve design, with rubber gasket, suitable for hand handling, easy to grasp in wet environment;
- Factory calibration, one year without calibration, can be calibrated on the spot;
- Digital sensor, easy to use, fast, and portable host plug and play;
- With USB interface, you can charge the built-in battery and export data through USB interface.

**Technical specifications:**

Model	BA200
Measuring method	Optical
Measurement range	150—300,000cells/mL(Customizable)
Measurement accuracy	±5% of the corresponding signal level of 1ppb rhodamine WT dye
Linear	R2 > 0.999
Housing material	Sensor: SUS316L; Host: ABS+PC
Storage temperature	0 °C to 50°C
Operating temperature	0°C to 40°C
Sensor dimensions	Diameter 24mm* length 207mm; Weight: 0.25 KG
Portable host	203*100*43mm; Weight: 0.5 KG
Waterproof rating	Sensor: IP68; Host: IP66
Cable Length	3 meters (extendable)
Display screen	3.5 inch color LCD display with adjustable backlight
Data Storage	8G of data storage space
Dimension	400×130×370mm
Gross weight	3.5KG