

CH200 Portable chlorophyll analyzer



Principle of measurement:

Portable chlorophyll analyzer is composed of portable host and portable chlorophyll sensor. Chlorophyll sensor is using leaf pigment absorption peaks in spectra and emission peak of the properties, in the spectrum of chlorophyll absorption peak emission monochromatic light exposure to water, the chlorophyll in the water absorption of light energy and release another emission peak wavelength of monochromatic light, chlorophyll, the emission intensity is proportional to the content of chlorophyll in water.

Main 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

Application:

It is widely used for on-the-spot and portable monitoring of chlorophyll in aquaculture, surface water, scientific research university and other industries and fields.

Technical specifications:

Model	CH200
Measuring method	Optical
Measurement range	0~0.5-500ug/L
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