PMI800-CH Portable Chlorophyll Water Analyzer

Principle of Measurement

Portable chlorophyll water analyzer consists of portable host and chlorophyll sensor. The principle of chlorophyll sensor is using the characteristics of chlorophyll A who has absorption peaks and emission peaks in the spectrum.The absorption peaks emit monochromatic light into the water,chlorophyll A in the water absorbs the energy of monochromatic light,releasing monochromatic light of emission peak of another wavelength.The light intensity emitted by cyanobacteria is proportional to the content of chlorophyll A in water.



Features

- The host with IP67 protection rating;
- 3.5-inch color screen display, interface menu design is beautiful, easy to operate;
- Ergonomic curve design, suitable for hand grip, with rubber non-slip hand strap, not easy to slip in wet environment;
- With data storage function, and data export through USB interface;
- Built-in rechargeable battery and charging directly via USB without disassembling the battery;
- Automatically identify the connected sensor type and the reading interface automatically adapts;
- The sensor can be parameterized and calibrated.

Technical Specifications

Measurement range	0-500 ug/L
Resolution	0.01 ug/L
Measurement Accuracy	±5% of the signal level corresponding value of 1ppb Rhodamine B Dye
Display	3.5-inch color display screen with adjustable backlight
Power supply	Built-in battery power, battery specifications: 4 3.7V rechargeable lithium battery
Data storage	More than 100,000 data
Material	Mainframe:ABS+PC；Sensor:SUS316L
Protection level	Mainframe: IP67,sensor: IP68/NEMA6P
Operating temp.	0-50℃（Non-freezing）
Storage temperature	-15-60℃
Size&Weight	Mainframe:203*100*43mm,0.5KG sensor: Dia 24mm*Length 145mm,0.25KG
Cable length	Standard: 3 m(The cable can be extendable)

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