PMI800-BA Portable Blue-Green Algae Water Analyzer

Principle of Measurement

Portable Blue-Green Algae water analyzer consists of portable host and Blue-Green Algae sensor. The principle of Blue-Green Algae Sensor is using the characteristics of cyanobacteria who has absorption peaks and emission peaks in the spectrum.The absorption peaks emit monochromatic light into the water,cyanobacteria 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 cyanobacteria 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	0-300,000cells/mL
Resolution	20 cells/mL
Measurement Accuracy	±10% 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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