PMI800-FDO Portable Dissolved Oxygen Water Analyzer

Introduction



The PMI800-FDO portable dissolved oxygen analyzer consists of a PMI-800 host and a PFDO-500 fluorescence dissolved oxygen sensor. Portable dissolved oxygen meter consists of portable host and fluorescence dissolved oxygen sensor. Using advanced fluorescence measurement principle, no membrane and electrolyte, basically no maintenance, no oxygen consumption during measurement, no flow rate/agitation requirements; and built-in NTC temperature compensation function, the measurement results have good repeatability and stability .

Main 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.

Application

- It is widely used in on-site portable monitoring of PH in aquaculture, sewage treatment, surface water, industrial and agricultural water supply and drainage, domestic water, swimming pools, scientific research universities and other industries and fields.

Technical Specifications

Measurement range	DO：0-20 mg/L or 0-200% Saturation; Temperature：0-45℃
Resolution	0.01mg/l
Measurement Accuracy	DO: ±3% or ±0.3 mg/L, Greater one; Temperature：±0.5℃
Calibration	Air automated calibration, sample calibration
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	-15-50℃