PMI800-ORP Portable Digital ORP Water Quality Analyzer

Introduction

The PMI800 portable ORP analyzer consists of a PMI-800 host and a POP-500B portable ORP sensor. The ORP sensor uses a combination electrode of a glass indicator electrode and a reference electrode to measure the ORP value of water quality, with stable data and reliable performance.



Main Features

- The host has an IP67 protection rating;
- 3.5-inch color screen display with an aesthetically designed interface menu and simple operation;
- Ergonomic curve design, suitable for hand holding, with a rubber non-slip wristband to prevent slipping in humid environments;
- Equipped with data storage function, and data can be exported via USB interface;
- Built-in rechargeable battery, which can be directly charged via USB without removing the battery;
- Automatically identifies the type of connected sensor, and the reading interface adapts automatically;
- Allows parameter setting and calibration of the sensor;
- Digital communication, RS485, standard Modbus protocol;
- With reverse connection protection for power supply and communication.

Application

- Purified water plants, tap water plants, domestic sewage treatment plants, beverage factories, wine-making industry;
- Environmental protection departments, industrial water, pharmaceutical industry, epidemic prevention departments, hospitals, etc.

Technical Specifications

Measurement Range	±2000mV
Measurement Accuracy	≤±5 mV
Resolution	0.1mV
Repeatability	≤±2 mV
Housing Material	Housing: 316L stainless steel; Host: ABS+PC
Operating Temperature	0-45℃ (no freezing)
Weight	Sensor: 1.0KG; Host: 0.5KG
Dimensions	Sensor: Diameter 34mm * Length 230mm; Host: 203*100*43mm (Length*Width*Height)
Protection Rating	Host: IP67; Sensor: IP68
Cable Length	Standard 3-meter cable (extendable)
Display	3.5-inch color display screen with adjustable backlight
Data Storage	More than 100,000 data records