PMI800-TU Portable Turbidity Water Analyzer

Principle of Measurement

Portable turbidity water analyzerconsists of a main host and a turbidit sensor Turbidity Sensor is based on the method of combination of infrared absorption scattered light.Infrared light which the photosource sends out scattered by suspended particles in the sample.And finally converted to electrical signals by photoelectric detector and getting the turbidity valueof the sample after treatment by analog and digital signals.



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	0.1-1000 NTU
Measurement accuracy	Less than ±5% of the measured reading or ±0.3NTU,whichever is greate
Resolution	0.01-0.1NTU，base on range
Response time	< 30 s
Calibration	Sample Calibration,Slope 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	-15-60℃
Size&Weight	Mainframe:203*100*43mm,0.5KG sensor:Dia 24mm*Length 135mm，<0.25KG
Cable length	Standard: 3 m(The cable can be extendable)

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