PMI800-SS Portable Suspended SolidsWater Analyzer

Principle of Measurement

The portable suspended solids analyzer consists of a main host and a suspended solids sensor. The sensor is based o n the combined infrared absorption and scattering light meth od, and the ISO7027 method can be used for continuous ac curate determination of suspended solids (sludge concentrat ion). The value of suspended solids (sludge concentration) was determined by ISO7027 infrared double-scattered light technique without influence of chroma.



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	0.01-20000mg/L;0.01-45000mg/L;0.01-120000mg/L(Optional)
Measurement accuracy	Less than the ±5% of measured value. (Depending on the homogeneity of sludge)
Resolution	0.01-1 mg/L，base on range
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: Body：SUS316L（fresh water），sensor cover：POM；sensor cable：PUR
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 60mm*Length 254mm,1.65KG
Cable length	Standard: 3 m(The cable can be extendable)

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