



Probest Intelligent Technology Co., Ltd.

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MP301 Multi-Parameter Analyzer



MP301 Multi-Parameter online analyzer is suitable for long-term field on-line monitoring. It can achieve the function of data reading, data storage and real-time online measurement of temperature, depth, pH, conductivity, salinity, TDS, turbidity, DO, chlorophyll and blue-green algae at the same time.

Features:

- Optional self-cleaning system to get accurate data for a long time.
- Can see and collect data in real time used with platform software. Calibrate and record 49,000 times test data (Can record 6 to 16 probes' data a time), can simply connected with the existing network for a simple combination.
- Equipped with all kinds of length of extension cables. These cables support internal and external stretch and 20 kg of bearing.
- Can replace the electrode in the field, maintenance is simple and quick.
- Can flexibly set the sampling interval time, optimize the work /



Best Professional Probes!



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sleep time to reduce the power consumption.

Software Functions:

- Operation software of Windows interface has the function of settings, online monitoring, calibration and Historical data download.
- Convenient and efficient parameters settings.
- Real-time data and curve display can help users intuitively obtain the data of measured water bodies.
- Convenient and efficient calibration functions.
- Intuitively and accurately understanding and tracking the parameters' changes of the measured water bodies in a certain period through the Historical data download and curve display.

Application:

- Multi-Parameter water quality online monitoring of rivers, lakes and reservoirs.
- Water quality online monitoring of drinking water source.
- Water quality online monitoring of ground water.
- Water quality online monitoring of sea water.

Mainframe Physical Indicators:

Power supply	12V	Measuring temperature	-5~50°C
Power consumption	3W	Storage temperature	1~50°C
Digital communication	MODBUS RS485	Protection rate	IP68
Dimensions	Dia 90mm*L 600mm	Weight	3KG

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Standard Electrode Parameters:

Depth	Principle	Pressure-sensitive Method
	Range	0-61m
	Resolution	2cm
	Accuracy	±0.3%
Temperature	Principle	Thermistor method
	Range	-5°C~55°C
	Resolution	0.01°C
	Accuracy	±0.1°C
pH	Principle	Glass electrode method
	Range	0-14 pH
	Resolution	0.01 pH
	Accuracy	±0.1pH
Conductivity	Principle	A pair of platinum gauze electrode
	Range	1us/cm-2000 us/cm (K=1) 100us/cm-100ms/cm (K=10.0)
	Resolution	0.1us/cm~0.01ms/cm (Depending on the range)
	Accuracy	±3%
Turbidity	Principle	Light scattering method
	Range	0-1000NUT
	Resolution	0.1NTU
	Accuracy	± 5%
DO	Principle	Fluorescence
	Range	0 -20 mg/L; 0-20 ppm; 0-200%
	Resolution	0.1%/0.01mg/l
	Accuracy	± 0.1mg/L < 8mg/l ± 0.2mg/L > 8mg/l

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Chlorophyll	Principle	Fluorescence
	Range	0-500 ug/L
	Resolution	0.1 ug/L
	Accuracy	±5%
Blue-green algae	Principle	Fluorescence
	Range	100-300,000cells/mL
	Resolution	20 cells/mL
	Accuracy	±5%
Salinity	Principle	Converted by conductivity
	Range	0~1ppt (K=1.0) 0~70ppt (K=10.0)
	Resolution	0.001ppt~0.01ppt (Depending on the range)
	Accuracy	±3%

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