

## Portable Water Analyzer



### Features:

- \* **Narrowband Interference Technology + High Precision Optical Filtering System**  
The instrument utilizes narrowband interference technology and high precision optical filtering to filter out a large amount of stray light, thereby enhancing the purity of the light entering the system, avoiding the impact of instrument noise and drift, and improving the stability of the instrument.
- \* **Built-in Printer**  
The instrument is equipped with a one-click printing system, allowing for convenient printing without interrupting measurements, making it easy for customers to keep records for inspection by superiors.
- \* **Read-Only Results**  
The instrument has built-in standard curves for corresponding projects, eliminating the need for customers to calibrate themselves. Concentrations can be read directly without the need for conversion.
- \* **Power-On Self-Check**  
The instrument's power-on self-check function comprehensively checks the operation of various systems within the instrument, ensuring its operational stability.
- \* **Electrochemical Water Quality Segmented Detection**  
The instrument uses an electrochemical water quality segmented detection function, capable of simultaneously measuring dissolved oxygen, pH, water quality, and other parameters, providing a quick and intuitive overview.
- \* **Dual Power Supply**  
The instrument adopts a dual power supply system, both portable and suitable for indoor use, with the ability to switch between the two power sources, ensuring the safety of the power supply and the stable operation of the instrument.
- \* **Large Capacity Storage Function**  
The instrument is equipped with an AMR9 chip of large capacity, making the instrument more sensitive and capable of storing more than 5000 measurement data and 200 curve data at the same time. It also comes with a USB data transfer system for convenient data transfer for customers.
- \* **Power Failure Protection**  
The instrument has its own power failure protection function, effectively solving the problem of data loss due to power outages, ensuring the timeliness of the data at all times.

### Technical Parameters:

Model		BK-WA1000
Water quality testing items		
Display error		≤8%
Repeatability		≤±3%
Optical stability		≤0.001A/10min
Light source life		100,000 hours
Measurement time		10min
Number of curves		200 can be set
Data storage		5000 pieces can be stored
Wavelength Range		380-800nm
Display		7 inch color touch screen/5.6-inch Omron button integrated screen
Printer		Built-in thermal printer
Reading Cuvette		Cuvette /colorimetric tube
Electrochemical test items		
pH	Range	-1.99 ~ 19.99pH
	Resolution	0.1/0.01
	Accuracy	±0.01pH
	Stability	±0.01 pH/3h
ORP	Range	-2000mV ~ 0 ~ 2000mV
	Resolution	1mV
	Accuracy	±0.1% FS <sub>mV</sub>
Conductivity	Range	(0.00~20.00) μS/cm (20.0~200.0) μS/cm (200~2000) μS/cm (2.00~20.00) mS/cm (20.0~200.0) mS/cm (200~2000) mS/cm (K=10)
	Resolution	0.01/0.1/1μS/cm, 0.01/0.1/1 mS/cm
	Accuracy	±1.0% F.S.
	Reference Temperature	25°C/20°C/18°C
	Cell Constant	K=0.1, 1, 10
TDS	Range	(0 ~ 100)g/L
	Resolution	0.01/0.1/1μS/cm, 0.01/0.1/1 mS/cm
	Accuracy	±1.0% F.S.
Salinity	Range	(0 ~ 100)ppt
	Resolution	0.01/0.1/1μS/cm, 0.01/0.1/1 mS/cm
	Accuracy	±1.0% F.S.
Resistivity	Range	(0 ~ 100)MΩ·cm
	Resolution	0.01/0.1/1μS/cm, 0.01/0.1/1 mS/cm
	Accuracy	±1.0% F.S.
DO	Range	(0 ~ 20.00)mg/L(ppm), (0 ~ 200.0)%
	Resolution	0.1/0.01 mg/L(ppm), 1/0.1 %
	Accuracy	±0.10 mg/L
	Stability	(±0.07mg/L)/1h
	Barometric Pressure Correction	(0~200) kPa, manual
	Salinity Correction	(0 ~ 45) ppt, manual
Other Specifications	Temperature Compensation	0~100°C/32~212°F, manual or automatic
	Memory	500 data sets, USB communication interface, wireless Bluetooth interface
	Power Requirements	AC220V±10%/50Hz
	Dimension	525*200*390mm
	Net Weight	17KG
	Packing Size	695*365*500mm
	Gross Weight	21 KG