Product Description

ATE3000 is new generation of multi-parameters portable water quality analyzer. It features high-quality could light source, high resolution and stability. It has a unique temperature control module and can maintain the stability of the reading for a long time.

Its optical path can automatically switch and directly test it in the range of 16-25mm. Intelligent PID temperature control and special structure design ensure the heating temperature uniformity. The analyzer has a user-friendly interface and a dilution function. It can directly display the concentration of the water sample with user-built curve function. Also, it can be connected to a printer to print data with USB interface. Data can be downloaded easily.

Model	Parameter	Measure Range
ATE3000	COD	20~100mg/L(customizable)
	Ammonia Nitrogen	0.000~1.000mg/L(customizable)
	NO2-N	0.000~0.150mg/L(customizable)
	NO3-N	0.000~0.500mg/L(customizable)
	Total Nitrogen	0.000~0.500mg/L(customizable)
	Total Phosphorus	0.000~1.600mg/L(customizable)
	Orthophosphate	0.000~1.000mg/L(customizable)

Key Features

- Built-in 3 LED light sources of 420nm, 620nm, 700nm
- Test Items: Chemical Oxygen Demand (COD), Ammonia Nitrogen, Nitrate Nitrogen (NO2-N, NO3-N), Total Nitrogen, Total Phosphorus, Orthophosphate etc.
- Optical path auto switches from 16 nm to 25 nm
- Shared tube of Digestion and Cuvette, convenient to operate, no need tube replacement can improve efficiency.
- Self-built standard curve can be customization
- Factory reset to restore default setting
- Charging battery, USB power supply and connect to the PC
- Export data by printer
- Add a timer function
- Digestion device installed PID modular technology to fast heating to constant temperature.
- Overheating protection function improve digestion safety

Typical Applications

- Sewage treatment plant
- Environmental monitoring
- Universities and colleges, scientific research institutions
- Industry: electroplate, papermaking, pharmacy printing and dyeing, textile,

leather, winemaking, petrochemical



1. Performance Specifications

ATE3000 System Parameters			
Measure Room	Fit to tube diameter at 16-25 mm		
Measure Parameters	**Measure Range**	**Accuracy**	**Repeatability**
COD	20-100mg/L(customizable)	COD≤50mg/L, ≤5mg/L; COD＞50mg/L,≤±5%	≤±5%
Ammonia Nitrogen	0.000~1.000mg/L(customizable)	≤±5%	≤±5%
NO2-N	0.000~0.150mg/L(customizable)	≤±5%	≤±5%
NO3-N	0.000~0.500mg/L(customizable)	≤±5%	≤±5%
Total Nitrogen	0.000~0.500mg/L(customizable)	≤±5%	≤±5%
Total Phosphorus	0.000~1.600mg/L(customizable)	≤±5%	≤±5%
Orthophosphate	0.000~1.000mg/L(customizable)	≤±5%	≤±5%
Optical stability	＜0.003A/20min		
Power supply	Battery (5 hours) or DC 5V		
USB interface	Support connects to PC		
Printer	Optional		
Timer	Have		
Smart power saving	10min (time settable) automatic shutdown		
Environmental	5-40℃; relative humidity＜85%,no condensation		
size	152mm*143mm*115mm		
Digestion device			
Power supply	DC 12V		
Digestion hole	6		
Temp accuracy	±0.5℃		
Temp range	room temperature-199℃ adjustable		
Temp control time	0-999min adjustable (buzzer alarm prompt at the end of digestion)		
Size	181mm x126mm x 142mm		
Protective cover	Protect personnel safety		

2. Photo







Figure 1 The Actual Picture of ATE300