

Portable Water Quality Analyzer

ATE3000

Feature:

- 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 switch 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

Applications:

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

Description:

ATE3000 is new generation of self-developed multiparameters portable water quality analyzer by Optosky. It adopts high-quality cold light source, high stability,and it has a unique temperature control module,can maintain the stability of the read value for a long time.It has optical path automatic switching function,can directly test the optical path in the range of 16-25mm.The digester adopts intelligent PID temperature control technology and special structure design,ensure the best heating uniformity.

It has clean interface,simple and safe to use.It has dilution function,can directly display the concentration of the water sample,with user-built curve function.

It has a one-button recovery function,can be connected to a printer to print data,with USB interface,data can be downloaded conveniently.

Model	Parameter	Measure Range
ATE3000	COD	20~100mg/L(customizable)
	Ammonia Nitrogen	0.000~1.000mg/L(customizable)
	NO ₂ -N	0.000~0.150mg/L(customizable)
	NO ₃ -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)



1 Specification

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 connect to PC		
Printer	Optional		
Timer	Have		
Smart power saving	10min(time settable) automatic shutdown		
Environmental	5-40°C;relative humidity<85%,no condensation		
size	152mm*143mm*115mm		
Digestion device			
Power supply	DC 12V		
Digestion hole	6		
Temp accuracy	±0.5°C		
Temp range	room temperature-199°C adjustable		
Temp control time	0-999min adjustable(buzzer alarm prompt at the end of digestion)		
Size	181mm*126mm*142mm		
Protective cover	Protect personnel safety		

2 Photo





The Actual Picture of ATE3000