



0086 16601757347
inquiry@yukelab.com
www.yukelab.com
0086 021 59570209

Automatic Total Phosphorus Analyzer YKHHP100

Product Overview:

Traditional total phosphorus detection and analysis is not only time-consuming, but also complicated and tedious. It also requires high skills from operators, and water sample detection and recording can hardly meet the needs of large-volume sample analysis and testing. The fully automatic total phosphorus water quality analyzer is used for the automatic digestion and determination of total phosphorus, automating the tedious and complex total phosphorus analysis, unattended analysis, batch processing of water samples, freeing the hands of testers, and providing accurate total phosphorus water quality analysis, which meets the requirements specified in the national standard ammonium molybdate spectrophotometry.





0086 16601757347
inquiry@yukelab.com
www.yukelab.com
0086 021 59570209

Instrument features:

1. The analysis system consists of four units, namely, automatic three-dimensional sampling unit, automatic digestion unit, high-precision spectrophotometer unit, and automatic control display unit. It has fault detection alarm function and memory function. After power failure, restarting the instrument can determine the unfinished analysis status and continue to complete the analysis, increasing the safety of system operation.
2. Automatic analysis, simple process, input sample information into the control unit, the automatic sampler automatically injects samples into the digestion and analysis unit, with sample addition function, samples can be added at any time, each measurement interval, the pipeline can be automatically cleaned, ensuring the accuracy of the measurement results and the pollution-free sampling.
3. The instrument is equipped with a digester and cooling system. The analyst only needs to accurately extract the water sample and set the information of the sample to be tested on the instrument interface to avoid editing the sample information individually, improve work efficiency, and automatically measure the remaining steps, automatically digest, automatically cool, automatically discharge waste, and automatically generate and save reports. The closed structure design and automatic waste liquid discharge program avoid pollution to the environment during the test.
4. No sample preparation process is required and prefabricated reagents are used, which can greatly shorten the preparation time of reagents.
5. The instrument can digest 16 samples at the same time and has a fast water circulation cooling system, which improves the efficiency of analysis and testing. The analysis system adopts a fully automatic high-precision spectrophotometer with high wavelength accuracy and good stability. Corrosion-resistant and long-life design: It can repeatedly transfer 98% concentrated sulfuric acid and various corrosive organic and inorganic liquids such as strong alkali and organic solvents for a long time (corrosion-resistant DuPont polytetrafluoroethylene pipes, patented technology for remote liquid transfer, greatly extending the life of the precision injection pump).
6. The measurement range is wide and the anti-interference ability is strong. The instrument has the function of automatic sample dilution (the dilution method needs to be confirmed) and automatic calibration function, which has higher reliability and accuracy.
7. IoT cloud data upload function, Bluetooth transmission, USB interface, wifi module, support for cloud storage, WeChat applet, greatly facilitate the customer's application scenarios.



0086 16601757347
inquiry@yukelab.com
www.yukelab.com
0086 021 59570209

Instrument parameters:

Screen size: 7-inch color capacitive touch screen
Measurement items: total phosphorus
Measurement range: 0-20mg/L segmented test
Measurement time: 40 minutes/16
Detection limit: 0.01mg/L
Wavelength accuracy: $\pm 0.1\text{nm}$ (at 656.1nm), $\pm 0.3\text{nm}$ full area
Repeatability: $\leq 0.1\text{nm}$
Accuracy: 0.2%T (0-100%T), $\pm 0.002\text{A}$ (0-0.5A), $\pm 0.004\text{A}$ (0.5-1A)
Repeatability: $\leq 0.15\%T$ (0-100%T), $\pm 0.001\text{A}$ (0-0.5A), $\pm 0.002\text{A}$ (0.5-1A)
Stray light: $\leq 0.03\%T@220\text{nm}$, 360nm
Stability: $\pm 0.001\text{A/h}@500\text{nm}$



Main Interface



Menu



Sample injection configuration



Sample analysis