TOC Sensor TA- 1.6 (offline)

TA-1.6 Total Organic Carbon (TOC) Analyzer is the high-precision offline total organic carbon analysis instrument research and development by Beijing Neuronbc independently. The product uses the electrical conductivity difference detection technology, adopting the principle of ultraviolet catalytic oxidation, with high accuracy and short response time. The instrument completely conforms to the requirements of the national pharmacopoeia, and it can meet the offline testing requirements for the deionized water such as pharmaceutical water (injection water and purified water) and ultrapure water.

Working principle

This instrument adopts the principle of ultraviolet catalytic oxidation, to oxidize the organic matter in the sample into carbon dioxide, where the test of carbon dioxide test uses the direct conductivity method, to determine the total organic carbon content through the test of the difference between the total carbon content in the sample after oxidation reaction and the total inorganic carbon content in the sample without oxidation, i.e., the total organic carbon (TOC) = total carbon (TC) - total inorganic carbon (TIC)

Features

- No need of nitrogen, oxygen, acid reagent and oxidant, so the operation is simple and the cost is low;
- Can be used in off-line laboratory, to meet the test and cleaning validation for organic carbon injection water and purified water;
- Equipped with automatic sampler, and the system suitability validation can be done automatically;
- It has the limit alarm design, and when the test sample exceeds the prescribed limit, the instrument makes automatic alarm;
- It is in conformity with the test scheme as specified in the new edition of state pharmacopoeia;
- Automatic lock screen in time 0-60mins, set "0" is unlock screen mode;
- Users quantity can add to 100 ;
- If the user's password is entered incorrectly for 5 times, the system will automatically freeze the user. After freezing, the system level user can change the password to unlock. When changing the password, it is necessary to change the locking state to the active state.
- Add user running valid date is 1-999 days
- When the user state is locked, the system level user can be unlocked, but the password is changed at the same time, the original password can not be used
- When connecting automatic sampler test or single machine offline test, it is necessary to enter the sample name, and you can enter numbers, letters, symbols, 0 ~ 16 digits.

Application

Laboratory testing of pharmaceutical water (purified water, injection water), and cleaning validation, electronic industry, food industry, etc.