

Toc Measurement Equipment TA -1.0

Introduction

TA-1.0 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.

Operation Principle

Oxidation organism by UV lamp and convert organic stuff into carbon dioxide, which detection adopted by direct conductivity method. The total organic carbon is the difference of the total carbon (TC)concentration in samples tested after oxidation and not oxidation of the sample total inorganic carbon(TIC), namely: $TOC = TC - (TIC)$.

Main feature

- No need of nitrogen, oxygen, acid reagent and oxidant, operation is simple;
- Equipped with automatic sampler, and the system suitability can be done automatically;
- 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;

Application

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