

# AST-S12 Digital display constant temperature water bath



## I. Structural Features and Applications

The constant temperature water bath is an auxiliary instrument for constant temperature experiments, consisting of three parts: a chassis, a constant temperature water bath, and a temperature control device. This instrument is suitable for evaporation and constant temperature heating in various laboratories.

The constant temperature water bath is manufactured using imported stainless steel plates and precision machining processes, featuring high temperature resistance and corrosion resistance. The temperature control device employs a high-stability operational amplifier and dual-slope high-precision A/D conversion technology, and is designed with

far-infrared heating technology. The product has a short thermal equilibrium time and good temperature uniformity, not exceeding  $\pm 0.5^{\circ}\text{C}$ . Test data is displayed on an LED screen, providing intuitive and accurate results.

This product is widely used in distillation, drying, concentration, and the warm soaking of chemical or biological products.

## II. Technical Parameters

Item	Specification
Model	AST-S12
Number of Holes	Double-row, 12 holes
Temperature Range	Ambient $+5^{\circ}\text{C}$ ~ $99.9^{\circ}\text{C}$
Inner Tank	Stainless steel inner tank, rings, and covers
Heating Power	2500 W
Temperature Fluctuation	$\pm 0.5^{\circ}\text{C}$
Resolution	$0.1^{\circ}\text{C}$
Working Dimensions	$920 \times 320 \times 90$ mm