Model SBC-6000 Automatic Water Sampler

Operating Description

This automatic water sampler is equipped with two mixing tanks A and B (5 L each) and 24 sample storage bottles (1 L each). Tanks A and B are used to collect composite water samples and supply samples for automatic water quality analyzers such as COD and ammonia nitrogen. Tanks A and B operate alternately to avoid sampling blind spots during the measurement cycle.

The 24 sample storage bottles are for over-limit sample preservation. When any measured parameter from automatic water quality analyzers (COD, ammonia nitrogen, etc.) exceeds the threshold, over-limit sampling is triggered. The automatic water sampler will transfer the over-limit water sample from mixing tank A (or B) to the designated bottle among the 24 storage bottles. The sample is stored under constant temperature refrigeration at 4 ° C (±2 ° C), pending collection by staff for laboratory comparative analysis.

Technical Parameters

Mixing Tank	Tank A and Tank B are each 5000 mL
Sample Storage Bottle	1000 mL × 24 bottles
Single Sampling Volume	10～1000mL
Sampling Interval	2～9999min
Sampling Records	1000 entries
Door Access Records	200 entries
Door Lock Control	Electronic Password Lock
Storage Temperature of Water Samples	4±2℃
Communication Interface	RS232/RS485
Operating Ambient Temperature	0～50℃
Sampling Volume Error	±5%
Equipment Dimensions	57.3cm×57cm×140cm
Net Weight	Approximately 90 kg


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采样框

