



Viabale Organism Analyzer VOA1000K

Preventive measure for the discharge of invasive species in ballast water

Satake Corporation
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Satake was established in 1896 as Japan's first producer of power-driven rice milling machines. Since then, Satake has achieved its position as the oldest and most advanced company in its filed in the world. In many places in the world, rice milling machines are familiarly called « Satake ». Satake always maintains its innovative sprit and develops in new fields.

International Maritime Organization (IMO) adopted Ballast Water Management Convention to control the introduction of harmful invasive species discharged off shore via ballast water discharge. The convention is effective since 2017.

Satake developed and produces a portable equipment VOA1000K to enable on-sit analysis of viable organisms of large to small sizes based on the pulse counting FDA method approved by IMO. It can count both phytoplankton and zooplankton. VOA1000K is easy and quick to use, and the analysis is done within 1 minute (staining process requires 15 minutes). The counter has a high precision and a high sensitivity that it can detect one organism in a 100mL sample.

Quick analysis

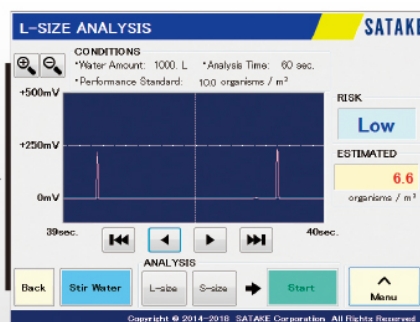
VOA1000K enables a quick and precise analysis of ballast water for Port State Control or voluntary inspection for system monitoring.



Add a tain reagent to the sample water.



Set the sample cell to start analysis.



Results (number of organisms and risk status) are displayed in per minute.



Results can be printed out.