

Proper and immediate monitoring of organic pollutants including COD substances

Shimadzu - TOC-4110: Inline Water Quality Analyzer

Features

- Capable of a wide range of measurements from high TOC concentration pre-treatment wastewater to low TOC concentration discharged wastewater
- Realizes a simple structure and stable measurements with the unique multi-function sample treatment and injection system
- Reduces problems and maintenance of sample pipes with the unique sample pre-treatment unit

Overview

(Technical principles, actions, etc.)

TOC indicates organic contamination based on the amount of carbon included in organic matter. It is attracting attention as an organic contamination indicator with clear measurement targets. TOC-4110 combusts organic matter inside the sample through a combustion catalyst heated to 680°C and accurately and quickly detects TOC concentration from the generated CO₂. In addition, it realizes stable measurement and reduced maintenance procedures with the proprietary multi-function sample pre-treatment injection system and the sample pre-treatment unit.

Introductory Track Record

Shimadzu Corporation's Online TOC analyzers are used around the world, including in countries in Asia such as China and Japan, as well as in Europe, North America, South America and the Middle East.

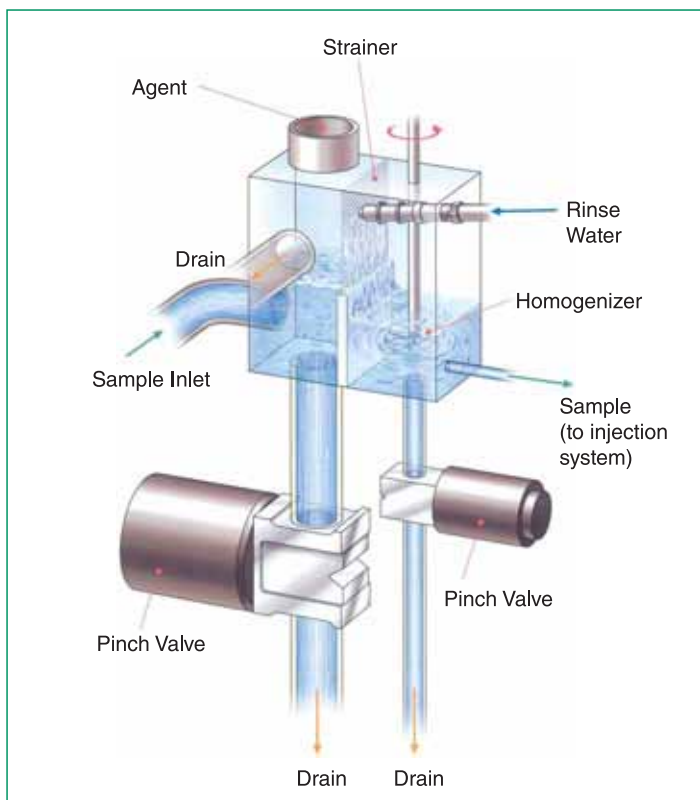
Effects

In order to prevent extraordinary wastewater from flowing into the environment, it is important to conduct "upstream monitoring" of not only treated wastewater but also the pre-treatment wastewater that flows into a wastewater treatment system.

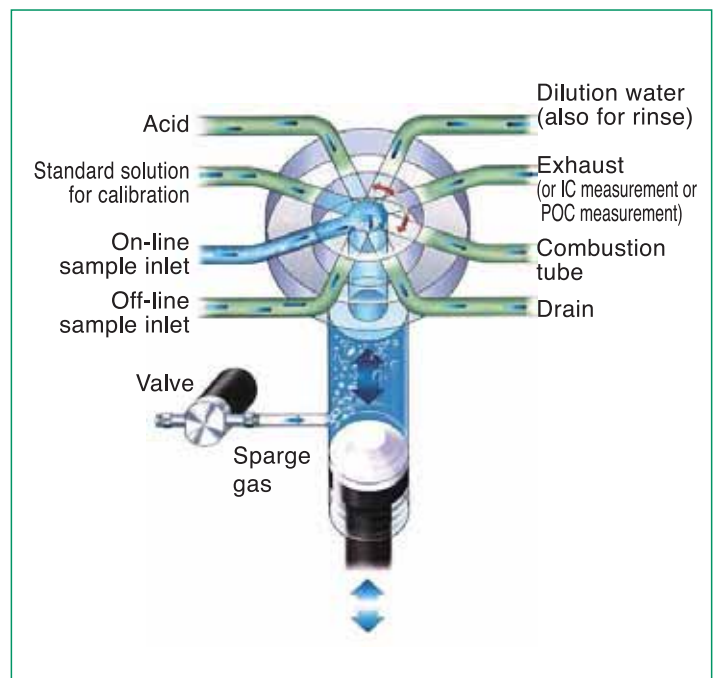
An online TOC analyzers is optimum for detecting organic extraordinary wastewater in upstream monitoring.



TOC-4110



Single stream suspended solids pretreatment unit



A variety of sample treatment functions and injection systems

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※Note: This publication introduces examples of technologies and products believed useful towards solving environmental and energy issues. In no way does it constitute guarantees concerning their transfer or sale.

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Applicable field
Facilities for monitoring organic pollutants in
wastewater as well as wastewater treatment

Water
Pollution

Energy Saving
New Energy

Measures against Global Warming
Natural Energy
Energy Recovery

Others

Air
Pollution

Soil
Pollution