

Total Organic Carbon

ORGANIC POLLUTION MONITORING

New TOC Analyzer

With its innovative oxidation reactor, efficient, multifunctional, the reduced analysis time and its ability to self-control, TOC Evolution vuv is the optimal solution for measuring Total Organic Carbon in water in all its forms, option COD by correlation.

Many benefits: short response time, high accuracy and repeatability / low oxidizing reagents consumption / Low maintenance / Low cost of use ...



Applications:

Industrial waste water: any type process control, water-treatment, effluent and influent monitoring, etc

Natural water: sources, rivers, drinking water, etc

Industrial process water: condensate water, steam production etc

Pure water: pharmaceutical industry, Production of semiconductors, etc

SERES environnement is one of the major actors in the field of monitoring analysers dedicated to Water and Air quality control. Our aim is to capitalize on all these markets and more especially on the emerging markets, where we hold a strong position thanks to a proficient network of agents and distributors

Our outstanding experience and attentiveness to our customers' needs are important assets in meeting our everyday industrial and commercial challenges.

We would like to reconfirm our commitment to provide innovative and effective solutions for our present and future clients, guaranteeing them robust and reliable analysers, conforming to international regulations in force.



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Certifications



SERES environnement

The essential in the field of water quality monitoring

2017

Activities water

Drinking water

The quality of drinking water is measured at different stages: at the entry to the treatment plant, during the treatment process, at its exit from the treatment plant and all along the distribution network.

Surface water

Whether in the form of monitoring stations or mobile laboratories (fixed or mobile stations), the company **SERES environnement** plays a role in the protection of surface water, spring water, rivers and ground-water. The aim is to obtain real-time measures of surface water pollution, in order to, if necessary, protect drinking water at its source

Waste water

Automatic analysis of waste water requires a great knowledge of effluents. For over 50 years now, **SERES environnement** has developed various systems of on-line sample preparation, such as paper filtration, tangential filtration or sample intake through sampling loops.

Process water

The automatic analyser is the only one which fulfils the requirements of real-time measurements, suited to industrial processes. The monitoring of process water quality, such as cooling water, is standard. However, each industrial process has its own particularities.

Sea water

Prevention of the pollution of sea water by hydrocarbon wastes: Oil tankers, Oil Rigs, Refinery wastes.

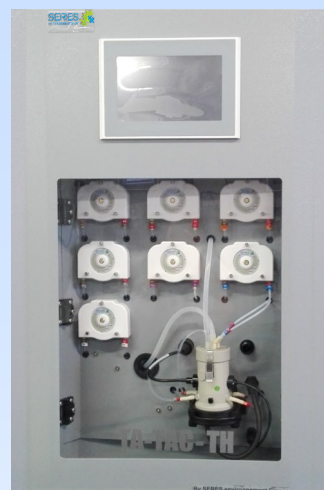
Others sectors

Turn key projects and engineering; Study and conception design) of complete stations for quality control of water: fixed or mobile stations.

For specific request, do not hesitate to contact us

Multi parameters measurement

TOPAZ



The **TOPAZ**, water analyzer for the measurement of various chemical parameters in various samples.

On line analyser by colorimetry, titrimetry or potentiometry for the automatic monitoring of water quality.

Applications:

Drinking water, waste water, surface water, Process water.

Hydrocarbons measurement

OPAL



OPAL is a new generation **detector**: infra-red back scattering measurement, on line, real time, reagent free, to monitor **suspended hydrocarbon in water**.

Wide range of fields:

Onshore: refineries, oil drilling plants, energy, petrochemical and other industries

Offshore: oil platforms, ships, ...

Applications:

Inlet and outlet of waste water treatment plants ; Activated or recirculation sludge tanks ; clarifiers ; Sewerage network ; Raw waste water from industries (paper mills, etc...) Surface water

PAUTBAC II



The **PAUTBAC II** was designed to automatize the **drainage of water** accumulating in the lower part of **petroleum products storage tanks**.

The main **advantages** of the **PAUTBAC II** in its various **applications** (slop stations, petroleum & petrochemical industries, tank farms, oil storage bases,...) are: increased safety, improvement of nominal tank capacity, decrease of the hydrocarbons loss, protection of petroleum products from water bacterial degradation.

Applications:

Oil refineries, slop stations, petroleum industries, tank farms, oil storage bases.

Turbidity measurement

TURBILIGHT II

Turbidity measurement in water.
Low & Medium Ranges



The **TURBILIGHT II** is the latest generation of turbidity meter dedicated to automatic, online measurement, of low & medium loads in water. Automatic follow up of low & medium turbidity: Measurement method by nephelometry using IR light source; Pressurized vessel to prevent interference of occasional air bubbles; Automatic cleaning of cell walls by electrical piston operated wiper at adjustable frequency ; Ranges: 0-2 to 0-1000 NTU user configurable

Applications:

Automatic, online measurement ; of low & medium loads in water

Parameters measured:

Aluminium, Ammonium, Total phosphorus, Bromine, Free Chlorine, Chlorides, Chromium, Colour, Copper, Cyanides, Iron, Fluoride, Manganese, Morpholine, Nickel, Nitrites, Phenols, Phosphates, Silica, Sulphates, Sulphites, Total alkalinity, Total Hardness, TA / TAC, Zinc, Uranium ...

Several methods of analysis:

Colorimetry, Titrimetry, IR Spectrometry, Potentiometry, Nephelometry

Analyser characteristics:

On-line measures: automatic, several methods and ranges are available for the same parameter, single or multi-stream