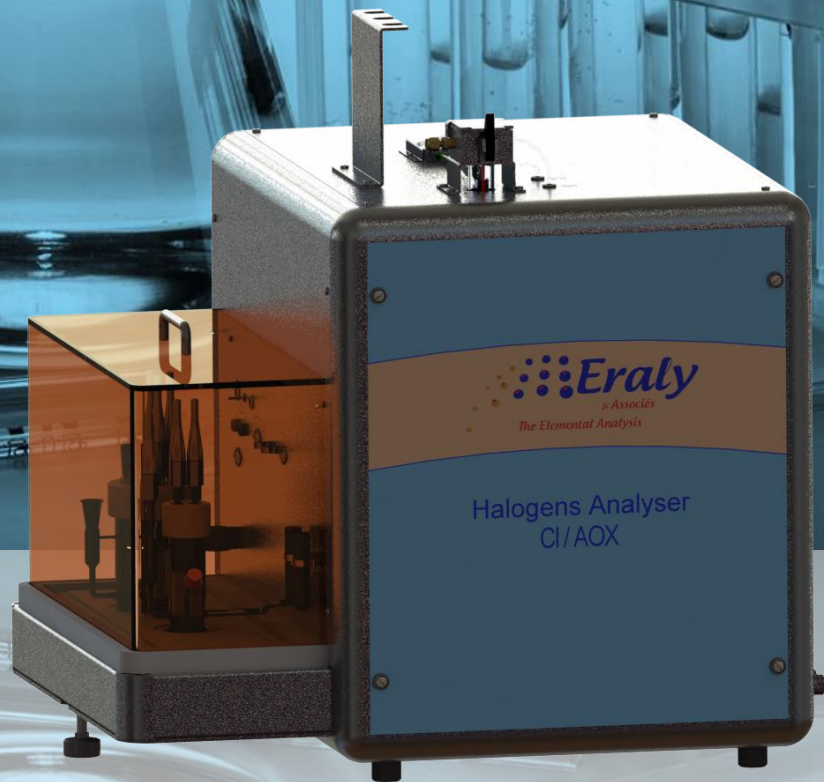
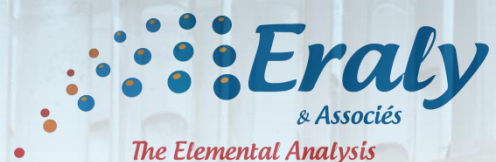


TOTAL CHLORINE ANALYZER BY COULOMETRY "COULO"



Standards:

- ASTM D4929
- ASTM D5808
- ASTM D6721
- ISO 9562
- UOP 779



HALOGEN ANALYSIS:

The COULO is a Total Chlorine Analyzer combining robustness, reliability and precision. It is used mainly for solid and liquid samples such as:

Oil, Minerals, Used solvents, Fuels, Waters, Cement, Waste, Coals, Plastics, Oils, Chlorinated PVC, Cokes, Tar, Sediments, Plants, ...

It is also used to measure AOX, EOX, POX in water.

PYROLYSIS AND COMBUSTION:

With a programmable furnace F1 of 20 to 1050 ° C and an furnace F2 which can be maintained at a constant temperature between 100 and 1100 ° C , the COULO makes it possible to carry out a controlled pyrolysis and then a combustion for all the types of samples. Its high-performance F1 furnace frees you from incomplete combustion of your samples and saves you time.

The result of your measurements is dependent on the quality of your combustion, so opt for the best of systems.

THE OPTIMUM TEMPERATURE SEQUENCE:

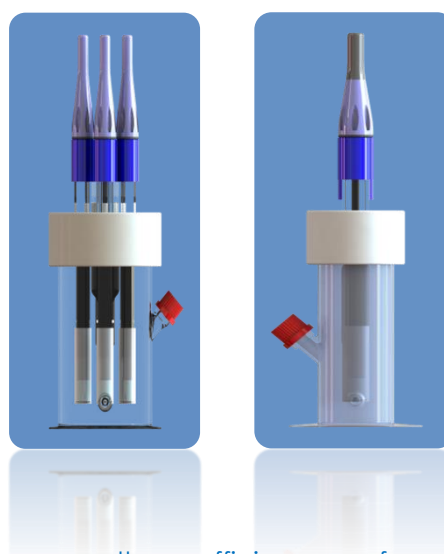
For your convenience, we supply with this device, a table of temperature sequences for each type of sample. The data in this table are drawn from both internal and external testing.

You can if necessary modify partially or totally a temperature sequence to suit your needs.

MEASURING CELL:

A single device, two types of measuring cells. The cells can be placed next to each other. A cell for measuring very low contents up to 0.5 ppm and another **for high contents up to 80% without dilution.**

On request you can measure chlorine in one and sulfur in the other cell.



Increase the efficiency of your conversions and improve your results with our semi-pressurized measuring cell. Recover all gases from combustion with the system for rinsing (flushing) the walls of the heated tubing (connection) and the inlet of the cell by the electrolyte.

ADVANTAGES OF CHLORINE ANALYSIS BY COULOMETRY:

- Absolute titration method (as in volumetry). No need to calibrate (there is a possible to calibrate if you wish).
- Replacing the H₂SO₄ absorber with drying / rinsing means automatically managed by the appliance. Avoids handling of acid.
- Measurement of very small amounts of electricity, up to 0.1 nano Faraday and very large up to 100 nano Faraday.

THE MIPO5 SOFTWARE:

Our MIPO5 software is intuitive and has help (instruction) messages. It ensures the safety of the user and the equipment. With alarms it prevents starting an analysis until all the conditions are met. It is equipped with an hourly / daily programmable timer to automatically switch to standby or start the machine, ovens, gas..... MIPO5 allows

you to express your results directly in ppm or $\mu\text{g} / \text{l}$ or in%.

The results files are exportable in PDF, or Excel..... they are also transferable to other types of media.

Switch from liquid to solid mode with one click.

AN EQUIPMENT THAT ADAPTS TO YOUR ENVIRONMENT:

The COULO is a device manufactured in two models, in two types of configurations. Depending on the space available on your premises, choose your analyzer with either a vertical Furnace or a horizontal Furnace.



Whatever you choose, you will benefit from the same technical performances.

Principle	Combustion - Coulometry		
Detection Limit	< 0.1 ppm to more than 80%		
Quantification	< 0.3 ppm to more than 80%.		
Accuracy	At 0.4 ppm	At 11 ppm	At 1000 ppm
RSD	7.51 %	0.79 %	0.46 %.
Injections	20 to 80 μl liquids	10 μL LPG	0.5 to 100 mg solids
Supply: Gas	Oxygen 99.5 % - 3 bar	Argon 99.5 % - 3 bar.	
Electric	110 V / 230 V 60Hz – 50 Hz 1200 W		
Température	Furnaces : F2 25 to 1150°C / F1 programmable 25 to 1050 °C.		

DIMENSIONS	Length	Height	Depth
VERTICAL CONFIGURATION	66 cm	65 cm	56 cm
HORIZONTAL CONFIGURATION	113 cm	50 cm	43 cm