



C/10-10/0403



## CONFIGURABLE COMBINED ANALYSER

SULPHUR by U.V. Fluorescence

or NITROGEN by Chemiluminescence



(Picture without associated computer)

*TOTAL License*

**SULF U.V.  
+  
LUMAZOTE**

**ASTM D 5453  
ASTM D 4629  
AFNOR M-07-059  
ISO 20846**

### PRINCIPLE

- Assembly in one apparatus the several common elements of both specific independent analysers :

**Sulphur Analyser by U.V. Fluorescence - SULF UV  
and Nitrogen Analyser by Chemiluminescence - LUMAZOTE**

- Use both specific independent detectors for each analysis.

**ERALY**

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Detailed literatures and / or quotation on request

Catalogue quotation:                      of                      /                      /                      /

## EQUIPMENT and TECHNICAL CHARACTERISTICS

They are the same as described in our specific documentation :

- Sulphur Analyser by U.V. Fluorescence **SULF U.V.**
- Nitrogen Analyser by Chemiluminescence **LUMAZOTE**

with the few following differences :

**Height** = 63 cm (instead of 53)

**Weight**  $\approx$  100 kg (without computer part)

**Equipment** : two independent measurement parts, with :

- 1 SO<sub>2</sub> specific detector by U.V. Fluorescence
- 1 NO specific detector by Chemiluminescence

**Configuration** : The switch from Sulphur or Nitrogen application to the other is reached automatically with a software specific order and the manual connection of the combustion tube output towards the corresponding detector.

The non-used detector is always maintained in action (gas scavenging, temperature regulation, and so on), et each configuration is operating in a few minutes.

The two main advantages of this apparatus are :

- 1- An appreciably lower cost compared to the both equipments added one,
- 2- The insurance to preserve all the performances of each analyser.

**Notice** : At least for the measurement of very low contents (< 5 ppm), this solution of a configurable analyser is, to our mind, preferable to simultaneous analysis solutions, for which unavoidable compromises are necessary, unfortunately often with prejudice to the analytical performances.

