AQUALABO
ANALYSE

PASTEL UV
PORTABLE UV ANALYZER FOR WATER QUALITY



Fast water quality diagnosis

ADVANTAGES

1. **Multiparametric measure:** Organic matter (COD, BOD, TOC, TSS), specific compounds (NO3, Detergents)*
2. **All type of water** (Natural water, raw sewage water, treated water, process water)
3. **Fast,** reading in less than 1 minute
4. **Reagent free**

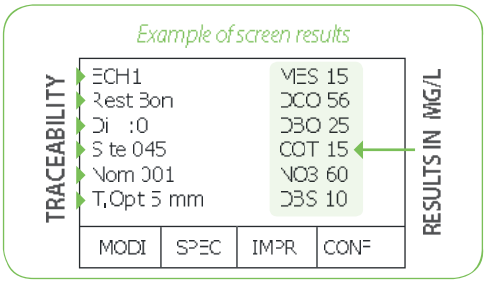
APPLICATIONS FIELD

- Control of organic and particulate pollution
- Protection against accidental pollution from industries
- Control of the conformity of discharges in the receiving environment
- Chlorine process control
- Control of the impact on the natural habitat

* For any other parameter, contact us.

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MULTIPARAMETER :

The PASTEL UV is able to measure 6 parameters simultaneously and thus permits rapid characterisation of the effluent. These parameters can differ from user to another.

FAST :

After the sample has been taken with a micropipette and the quartz cuvette has been filled, analysis and reading of the results take no more than a minute.
This speed makes it possible to carry out a large number of measurements and to react in real time in cases of accidental pollution or of a process incident.

EASY-TO-USE :

The sample does not require pre-treatment ; if the sample is too concentrated, the instrument itself will calculate the dilution factor to apply. PASTEL UV can be used by people who do not possess special qualifications in chemistry.

ECONOMY :

PASTEL UV operates without reagents and without consumables ; the cost of running the machine is therefore independant of the number of analysis performed.

AUTONOMY :

Its autonomy in the field is 100 measurements and it can memorize up to 200 results.

TRACEABILITY :

All the data can be stored with a sample number, the user code, the site code and the date.

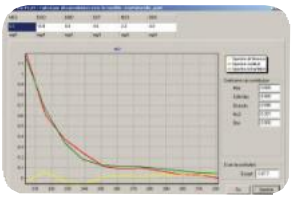
QUALITATIVE DATA :

To complete the quantitative data, the UV technology compares the sample profile against the type of water selected. This allows to validate the quantitative data and/or detect the presence of accidental pollution.

UV PRO SOFTWARE

UV spectrum operating software developed by SECOMAM to optimize Advanced Spectral Deconvolution (ASD) performance. This software can be used either to drive a laboratory instrument or to collect the on-line data from on-line analyzer.

- Setting up or/and calibration of Advanced Spectral Deconvolution
- Driving of all SECOMAM UV detectors
- Data storage
- Maintenance tools
- Operation on spectrum (derivative, smoothing, shift, ...)



TECHNICAL SPECIFICATION

- **Spectral range :** 200 to 350 nm
- **Measuring cuvette :** 2 optical path : 5 and 10 mm
- **Weight :** 9 kg (gross weight)
- **Dimensions :** 40 x 40 x 40 cm (L x l x h)
- **Output :** Display screen (64 x 128 pixels)
  RS232C bidirectional
- **Alimentation :** Internal : Battery 100 readings
  External : 110/240V / 50/60 Hz
- **Power :** 35 Watts

ORDERING INFORMATION

- **70MP0316 :** PASTEL UV (Optional UV Pro software)
- **70MP0405 :** UV-Pro Software
- **0M8303 :** Kyoline printer
- **0GQ203Z0 :** Quartz cell 5x10mm
- **0X5764D :** RS232C cable

Delivered with a carrying case, a micropipette, a transformer 110-240V / 50-60Hz

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