

# AQUALABO

## PASTEL UV PORTABLE UV ANALYZER FOR WATER QUALITY



### Fast water quality diagnosis

ADVANTAGES



1. **Multiparametric measure:** Organic matter (COD, BOD, TOC, TSS), specific compounds (NO<sub>3</sub>, 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.

#### Example of screen results

TRACEABILITY	ECH1	MES 15	RESULTS IN MG/L	
	Rest Bon	DCO 56		
	Dill :0	DBO 25		
	Site 045	COT 15		
	Nom 001	NO3 60		
	T. Opt 5 mm	DBS 10		
	MODI	SPEC	IMPR	CONF

### 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.

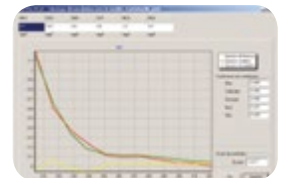
### QUALITATIVE DATA :

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

## MEASURING RANGE

### Correlation with organic mater (5 et 10 mm optical path) :

- DCO : 1 mg/L to 350 mg/L
- DBO : 0.2 mg/L to 350 mg/L
- COT : 0.5 mg/L to 300 mg/L
- MES : 2.5 mg/L to 100 mg/L
- Detergent : 0,5 mg/l to 60 mg/l

### Nitrates measurement :

- NO<sub>3</sub> : 0.5 mg/L to 40 mg/L
- NO<sub>3</sub>-N : 0.11 mg/L to 9,03 mg/L

## 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.