

### PASTEL UVILINE THE FIRST SPECTROPHOTOMETER TO ANALYZE WITH OR WITHOUT REAGENT



WITH REAGENTS

Up to 40  
parameters:  
 $\text{NO}_3^-$ ,  $\text{NH}_4^+$ ,  $\text{DCO}$ ,  
 $\text{PO}_4^{3-}$  ...

WITHOUT REAGENT

COD, BOD, TOC,  
TSS, NITRATES AND  
DETERGENTS

#### ANALYZE WITHOUT REAGENT

PASTEL UVILINE is a UV Visible spectrophotometer offering a new analysis method that does not require reagents : Spectralyse.

This method is based on the analysis of the UV spectrum of the sample. It allows to measure simultaneously and instantaneously 6 parameters : COD, BOD, TOC, TSS, nitrates and detergents.

In its Advanced version, PASTEL UVILINE also offers all the functionalities of a classic spectrophotometer: Absorbance/Transmittance, Spectrum Scanning, Kinetics, Concentration, Multiwavelength.



#### ECONOMIC, ECOLOGIC AND HARMLESS

- **Time saving:** 1 sample, up to 6 results simultaneously and 3 hours saved on COD
- **Money saving:** no consumables
- **More freedom:** make more analysis with no additional cost
- **More safety:** No dangerous reagents to handle



## COMPLEMENTARITY OF THE METHODS

To be more complete, the PASTEL UVILINE also proposes methods using reagents (micromethods) to make complementary analysis on other parameters. With clear instructions, reagents easy to handle, it has never been so easy to make analysis.

### 2 VERSIONS :

- **PASTEL UVILINE LIGHT** ———  
SPECTRALYSE + MICROMETHODS (COD, Nitrates, Ammonium, Phosphate and Total Nitrogen)
- **PASTEL UVILINE ADVANCED** ———  
SPECTRALYSE + MICROMETHODS (more than 40 parameters) + CLASSIC SPECTROPHOTOMETER MODE

For parameters available on the Advanced version, see the specific datasheet

Parameters	Spectralyse UV method	Micromethods light version	Range (mg/L)	
Total Suspended Solids (TSS)	✓		2,5	100
Chemical Oxygen Demand (COD)	✓	✓	1	500
Biological Oxygen Demand (BOD)	✓		0,25	350
Detergents	✓		0,05	60
Total Organic Carbon (TOC)	✓		0,5	300
Nitrate	✓	✓	0,025	25
Phosphate		✓	0,5	25
Ammonium		✓	0,2	80
Total Nitrogen		✓	0,5	150

## SPECIFICATIONS

Wavelength Range	• 190-1100 nm
Lamp	• Xenon
Spectral Bandwidth	• 4 nm
Wavelength Resolution	• Reading: 0.1 nm • Setting: 1 nm
Wavelength Accuracy	• ± 1 nm
Wavelength Repetability	• ± 0,5 nm
Photometric Range	• ± 3,300
Photometric Resolution	• 0,001 Abs or 0,1% T
Photometric Accuracy	• ± 0,003 Abs (0,5 Abs) • ± 0,005 Abs (1,0 Abs) • ± 0,010 Abs (2,0 Abs)
Straylight	• ≤ 0.1 % à 220 nm (NaI), 340 nm (GG375), 400 nm (GG408)
Interface	• 1 USB-A, 1 USB-B, 1 RS 232C
Power Supply	• 110-220V 50/60 Hz specific country cable
Warranty	• 3 years

## REFERENCES

- **70VI0550:** Pastel UviLine Advanced. UV-Visible 4nm spectrophotometer, analyzer with or without reagent. Comes with universal cell holder 5/10/20/50/100 mm and 16 mm tube
- **70VI0540:** Pastel UviLine Light. analyzer with or without reagent. Comes with universal cell holder 5/10/20/50/100 mm and 16 mm tube
- **70VI0600:** Automatic 5+1 cell holder
- **70VI0601:** Sipper
- **70VI0603:** Cell holder with Peltier effect to control temperature
- **70VI0610:** Sipper with Peltier effect
- **Cells and consumables:** Ask for specific catalogue



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