

SPECTROPHOTOMETER UV / VIS 4000



A compact instrument designed for measurements in the range 190 - 1000nm quickly and easily. The UV / VIS 4000 model is very versatile with similar performances to that offered by other instruments of high cost. The membrane keyboard, LCD screen high-definition 128 * 64, the USB and Parallel ports provide the input / output data and meter reading also curves



Control Panel

PERFORMANCES

- ◆ Automatic to measure Absorbance, Transmittance and Concentrations
- ◆ Can display wavelength, absorbance and transmittance with 5 results per screen
- ◆ Can set up various standard curves according to customer solutions and find the concentration of unknown solutions
- ◆ Memory store of up to 200 results
- ◆ Grating 1200 lines/mm
- ◆ Automatically WL. calibration and dark current getting
- ◆ Coefficient Method to find concentrations
- ◆ PC software providing the following functions:

1. Kinetics
2. Quantitative calculations
3. Scanning's
4. Automatic measurements at several wavelengths
5. Calculations DNA / Protein
6. Significant increase in data storage capacity

It includes:

- Manual positioner for 4 cuvettes of 10mm light path operable externally
- 4 glass cuvettes 10mm path light with lid
- 2 quartz cuvettes of 10mm path light with lid

Specifications

Parameters	Features	Parameters	Features
Wavelength range	190 - 1000nm	Photometric range	-0.300 to 3A; 0 to 200%T
Measuring modes	ABS / T% / CONC	Detector	Silicon Photodiode
Bandwidth pass	2nm	Display	LCD HD 128*64
Optical system	Single beam. Grating 1200 lines/mm	Light source	Deuterium lamp D2 Halogen lamp W
Stability	±0.002 Abs/h at 500nm	Standard cell holder	4-position 10mm cell changer
Wavelength accuracy	± 1nm	Key board	Membrane
Wavelength repeatability	0.5nm	Interface	USB and Parallel(printer)
Wavelength setting	Automatically by keys	Power	AC 85-260V 50/60Hz 3A
Photometric accuracy	± 0.5%T	Size	455 x 380 x 180mm
Photometric repeatability	0.3%T	Weight	12kg
Stray light	≤0.02%T		

Ordering information

Code	Description
6.4000.00	Spectrophotometer UV / VIS. Model UV/VIS 4000
6.4100.00	Spectrophotometer UV / VIS. Model UV/VIS 4000, with PC software
8.9749.00*	PC, monitor TFT 19 " for UV/ VIS 4000
6.6900.03	Halogen lamp W
6.6900.04	Deuterium lamp D2

Accessories

Code	Articles
6.3200.02	10mm 4-hole cell holder
6.3200.03	50mm 4-hole cell holder
6.3200.04	100mm 4-hole cell holder
6.3200.04	10mm 1-hole cell holder for water circulation
6.3200.05	Adjustable cell holder for micro cuvettes
6.3200.06	Transparent film holder
6.3200.07	Test tube holder 25 mm Ø maxim
6.3200.08	Peltier system
6.3200.09	Sipper system
6.3200.10	Peltier / Sipper system
6.6900.07*	Micro printer



Cuvettes

Code	Articles
6.3200.11	Glass cuvette with lid 1.7ml, path light 5mm, set 4pcs
6.6900.05	Glass cuvette with lid 3.5ml, path light 10mm, set 4pcs
6.3200.12	Glass cuvette with lid 7ml, path light 20mm, set 4pcs
6.3200.13	Glass cuvette with lid 10.5ml, path light 30mm, set 4pcs
6.3200.15	Glass cuvette with lid 17.5ml, path light 50mm, set 4pcs
6.3200.16	Glass cuvette with lid 34ml, path light 100mm, set 4pcs
1.9363.00	Plastic cuvette with lid 3.5ml, path light 10mm, set 100pcs
6.4000.01	Quartz cuvette with lid 1.7ml path light 5mm, set 2pcs
6.6900.06	Quartz cuvette with lid 3.5ml path light 10mm, set 2pcs
6.4000.02	Quartz cuvette with lid 7ml path light 20mm, set 2pcs
6.4000.03	Quartz cuvette with lid 10.5ml path light 30mm, set 2pcs
6.4000.05	Quartz cuvette with lid 17.5ml path light 50mm, set 2pcs
6.4000.06	Quartz cuvette 34ml path light 100mm, set 2pcs
6.4000.07	Micro cuvette 12.5*12.5*45, 100µl, set 2pcs
6.4000.08	Micro cuvette 12.5*12.5*45, 200µl, set 2pcs
6.4000.10	Micro cuvette 12.5*12.5*45, 700µl, set 2pcs



Distributor: