

OPTIZEN 3220UV



HUMAS UV-3300



1 Features

- Double beam optic type and embedded PC (window xp)
- 17" color LCD monitor or touch screen monitor (option)
- Universal sample rotating cell holder holds 8 cells & 1 blank
- Supurb optics for maximized accuracy and reliability
- User-freindly software, USB ports and accessory connection
- Versatile data processing and better in holding memories
- This economical scanning spectrophotometer produce first-rate result using any UV analytical method
- Ideal for DNA, Protein, kinetics and more
- High quality components & system enable superior resolution
- Specify method parametric setup using simple on-board keypad control or from computer

2 Specifications

Model	Optizen 3220UV	UV-3300
Description	Scanning UV-VIS	Scanning UV-VIS
Bandwidth	< 1.0 nm	1 nm
Wave length	190 - 1100 nm	190 - 1100 nm
accuracy	± 0.3 nm at 656.1 nm	±0.2 nm
repeatability	± 0.1 nm	± 0.05 nm
Scanning speed	Max. 3000 nm/min	Max. 1000nm/min
Photometric system	Double beam photometric system	Single beam photometric system
accuracy	± 0.004 Abs (STD) at 0.1 Abs	±0.004 Abs(0.5 to 1.0Abs)
repeatability	± 0.002 Abs (STD) at 0.1 Abs	≤ 0.002 Abs
Stray light	<0.05% at 340 nm	<0.05% at 340 nm
Source lamp	Pre-aligned tungsten & Deuterium lamp	Halogen & Deuterium lamp
Display	17" color monitor with soft ware	Graphic LCD
Detector	2 silicon photodiodes	High sensitive silicon photodiode
Output	PC,USB,USB Memory, serial printer	PC,USB,RS232 & Serial printer
Power source	220VAC,50/60Hz	90-240VAC,50/60Hz
Overall (WxDxH)	600x400x250mm	440x425x225 mm
Weight	35 Kg	15 kg

3 Options : for Optizen 3220UV



1. Temperature cell holder
Temp.range;
Water/oil type : circulator
Peltier type : 5 - 80°C
2. Micro volume cell holder
≤1000,µl single cell holder
Path length : 10nm
Center height : 8.5nm
3. Film cell holder-Wide
Sample limit;
Thickness : 5mm
WxH : 60 x 45mm
4. Film cell holder-Small
Sample limit
Thickness : 2mm
WxH : 10 x 30mm
5. Round cell holder
Single cell holder
for test tube
16mm / 25mm depth
6. Sipper system
RS232 interface
Intake volume : ≥70µl