

DOUBLE BEAM UV-VIS SPECTROPHOTOMETER AU 2705

TOUCH SCREEN



Item Description:

The UV-VIS Spectrophotometer AU2705 is designed to meet high requirement for precision measurement & research in the field of chemistry, biochemistry, medical, food, environmental, water etc. The latest ARM System and long optical system ensure high accuracy and good stability of the instrument.

Features:

1. 7 Inch high resolution TFT colored capacitive touch screen and windows Graphic interface make the instrument easy to operate. The finger touch and mouse can be used equally in the same user interface.
2. The in-house massive memory is capable of saving up to 1024M for test data & working curves. It support USB & SD card storage. The USB port can be used for data transfer, which can be easily exported to Excel file for further processing, analysis & storage.
3. Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum Scan, DNA/RNA/Protein test, multi wavelength test etc.
4. Socket type deuterium lamp & Tungsten lamp can make lamps switching without optics debugging and easier to be replaced.
5. 25 Multi wavelength analysis facility at a time with separate mode for DNA and RNA analysis.
6. Extensive accessories are optional, such as auto 8-cell holder, film holder, peltier/ sipper system
7. GLP/GMP Compliance IQ, OQ, PQ documentation.

Specifications:

Model	AU 2705
Optical System	Double Beam, Grating 1800 lines/mm
Wavelength Range	190-1100 nm with 0.1 nm step
Spectral Bandwidth	1nm
Wavelength Accuracy	$\pm 0.1\text{nmD2 peak@656.1nm}$, $\pm 0.3\text{nm@all}$
Wavelength reproducibility	$\leq 0.1\text{nm}$
Photometric Accuracy	$0.2\%T(0\sim 100\%T)$, $\pm 0.002A(0-0.5A)$, $\pm 0.004A(0.5-1A)$
Photometric Repeatability	$\leq 0.15\%T(0-100\%T)$, $0.001A(0-0.5A)$, $0.002A(0.5-1A)$
Photometric Range	0-400%, - 4 to + 4abs
Stray Light	$\leq 0.02\% T$ at 220nm NaI, 340nm NaNO ₂ $\leq 1\% T$ at 198 nm KCl
Stability	$\pm 0.0003A/h@500\text{nm}$
Baseline Flatness	$\pm 0.0006A$
Noise	$\leq 0.0001A$ (Peak to Peak) $\leq 0.00005A$ (RMS)
Work Mode	%T, Abs, Conc., E
Scanning Speed	(Max. 3600nm/min)
Wavelength Setting	Auto
Display	Touch Screen Colour Display
Light Source	Deuterium & Tungsten lamp
Detector	Silicon photodiode detector
Cuvette Holder	Auto 8-cell holder
Output	USB drive, USB host, PC controlling Software
Power	AC 220V/50Hz or AC 110V/60Hz
Option	Diffuse and specular reflectance
Gross Weight	27 kg
Accessories	10mm quartz cuvette x 2pair, 1ml quartz cuvette x 1pair, 100mm long path cell holder, Software

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