

DOUBLE BEAM UV-VIS SPECTROPHOTOMETER-AU 2704T

TOUCH SCREEN



Item Description:

The UV-VIS Spectrophotometer AU 2704T 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. 10.1 Inches 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. Large room for samples can hold cuvettes of various specifications.
6. Auto 8-cell holder can be accommodate (Optional)
7. 21 CFR Management software is optionally available

Specifications:

ITEM	DESCRIPTION- AU 2704T
Optical System	Double Beam
Wavelength Range	190 – 1100 nm
Wavelength setting	>0.1nm
Spectral Bandwidth	1 mm
Wavelength Accuracy	± 0.1 nm at D2 peak 656.1nm
Wavelength Repeatability	≤ 0.1 nm
Photometric Accuracy	± 0.002 Abs at 0.5 Abs, ± 0.004 Abs at 1.0Abs, ±0.006 Abs at 2.0 Abs
Photometric Absorbance	-4 to 4 Abs (0%T)
Photometric Repeatability	± 0.0002 Abs at 0.5Abs
Photometric Range	0 – 400 %T ; -4 to 4 Abs.
Stray Light	≤ 0.02 %T at 220nm(Nal), 340nm(NaNO ₂), <0.5% at 198nm(KCl)
Stability	±0.0001 Abs. at 2Abs, <0.0003 Abs/hr 700nm.
Baseline Flatness	± 0.0005 Abs.(1100 to 190nm)
Operating Mode	%T, Abs., Conc. & Energy
Wavelength Scanning Speed	3000nm/min to 2nm
Survey Scanning Speed	29000nm/min
Noise Level	0.00005 Abs(700nm)
Display	10.1" TFT Colored Capacitive Touch Screen
Light Source	Imported Deuterium Lamp & Tungsten Lamp
Detector	Silicon Photodiode
Output	USB Host / USB Drive / RS 232 / SD Card
Power	AC 220V/50Hz <u>OR</u> AC 110V/60Hz
Dimension	590x475x250mm
Weight	20 kg

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