

Double Beam Spectrophotometer

TS 2080



**Touch
Screen
TS 2080**

- Double Beam Optical system
- 8 inch multi color tough screen
- Thermal plotter optional
- Automatic wavelength settings
- Equipped with USB port

Features:

- 1) TS 2080 Spectrophotometer adopt double beam survey optical system, and blazed holographic gratings. They have outstanding test precision and very competitive prices.
- 2) 8-inch multi color touch screen cutting-edge user interface, powerful functions and easy operation.
- 3) Monochromator with high end optics(Czerny-Turner mounting for high energy)
- 4) With powerful functions, the equipment shows great performance in qualitative and quantitative testing. such as

- Full-spectrum scanning
- Detailed spectrum scanning
- Time-based kinetics determination
- GOTO λ
- Linear regression
- Concentration direct reading
- Peak/Valley detecting
- Multi-wavelength simultaneous measurement

4) The equipment is designed with sophisticated power protecting system. With high capacity of internal memory, it can store testing results, scanned images, regression equations and Correction data. Therefore, it follows a fast initialization when power on.

5) The instrument can be connected with dedicated printer, which can print testing results, or draw curve from spectral scanning. fixed wavelength time-based scanning, and linear regression.

6) There is a USB port on the device, and UVwin-8 Software is optional to order. The device be connected to a PC, which can not only enhance the performance in data testing and spectrum scanning, but also expand the memory to save more testing results.

Specification:

Model	TS 2080
Operation and display	LCD 8 inch Touch Screen
Light Source	Philip halogen, deuterium lamp (2000h) (Opt: Xenon flash lamp)
Wavelength range	190-1100nm
Wavelength Accuracy	± 0.1 nm or better
Wavelength Repeatability	±0.1nm
Photometric range	-4 to +4Abs/0 to 400%
Photometric Repeatability	±0.001Abs at 1Abs
Noise level	0.00005A at 700nm
Baseline stability	< 0.0003Abs/hour at 700nm
Transmittance MPE	±0.3%T
Transmittance Repeatability	≤0.15%T
Transmittance Measuring Range	0.0%-200.0%T
Absorbance Measuring Range	-0.301-4.000 (A)
Spectrum Bandwidth	2nm (Optional : 0.1 - 1nm)
Stray Light	0.03%T at 220nm (NaI)and 340nm (NaNO ₂)
Drift	≤0.0005A/hour (250nm/500nm. 2h warm up)
Detector	Dual Silicon Photodiodes
Signal Noise	100%T noise ≤0.15%T 0%T noise < 0.10%T
Baseline Flatness	±0.0002A (190-1100nm)
Scan Speed	Max 10000nm/min
Overall Dimensions	600(L) x 450(w) x 200(H)mm
Weight	23kg
Power	230 ±5V 50Hz

Standard Accessories

User Manual	1 pc
1cm quartz cuvette	2 pcs
Power cable	1 pc

Optional Accessories

Thermal plotter
UVwin8 software

Support & Services

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

- HPLC Servicing** :We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.
- Trainings** :We also take up preventive Maintenance to reduce downtime of HPLC's
- AMC's/CMC** :We offer user training both in-House and at customer sites on HPLC principles, operations, troubleshooting.
- Validations** :We have protocols for carrying out periodic Validations as per GLP/GMP/U SFDA norms
- Instruments** :We offer instruments / Renting Services Modules like pumps, detector etc. on Rent.



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