

UV3200XE Spectrophotometer with Xenon Lamp



Double Beam Optical System with 1200 1/mm grating having low stray light and the optimized design to ensure higher measurement accuracy of the instrument; the powerful measurement and analysis functions and the open self-defined measurement methods can meet the measurement requirements of scientific research.

Offered with Xenon Lamp used as the light source having very low energy consumption without heating up an a long service life (3-yr warranty, 5 years typical lifetime) reducing the users' application and maintenance costs. The all aluminium die-casting base make the instrument stronger and more durable.

The new wavelength driving mechanism greatly improves the wavelength accuracy and repeatability, and effectively reduces the operating noise (Patented).

High-resolution TFT colour LCD touch screen provides excellence display effect and simple operation with built-in computer (2GB memory / 64GB SSD storage, 178 degree full view, 16 million colours, high resolutions, 10.1 inch IPS colour LCD touch screen, capacitive 10-point touch control) provides excellent display effect, simple operation and good scalability, wide sample room, suitable for 5-100mm sample cell holders and other accessories, start-up self calibration system and warm-up countdown.

Automatically move the wavelength to the set position and automatically to zero. Contact with a printer directly and output measurement results Connect with a PC by USB, and control the instrument by software to enrich and expand the application.

Support upgrading firmware by USB storage directly. The software design fully complies with the requirement of 21CFR stipulated in Pharmacopoeia and has perfect GLP/GMP functions, which can effectively trace and manage the instrument performance and measurement data. Perfect system and file management function. Rich interface (USB, Ethernet, VGA, HDMI, Bluetooth, WiFi, SD card reader etc.) can connect keyboards, mice scanning equipments and printers to input and output data, and access networks for remote control, data transmission and sharing with open data interface protocols, users can integrate into the system through simple development to realize the integration with other devices.

Connect with a PC by USB and control the instrument by software to enrich and expand the application.



Specifications		UV3200XE with Xenon Lamp
Optical Design		Double beam with Czerny Turner Monochromator
Spectral bandwidth		0.5, 1, 2, 4, 5 nm
Light source		Xenon lamp (ash Lamp) 3 years warranty, 5 years life time
Detector		Dual Silicon photodiode
Wavelength	Range	190 ~ 1100 nm
	Accuracy	±0.2 nm (full range 190nm - 1100nm)
	Repeatability	≤0.2 nm
	Resolutions	0.1 nm
	Scanning Speed	1 to 6000nm/min variable
	Data Interval	0.1,0.2,0.5,1.0,2.0,5.0,10
Photometric	Range	-4 to 4.0A
	Accuracy	±0.006A@2.0A , ±0.004A@1.0A , ±0.002A@05A, ±0.3%
	Noise	0.00003 Abs RMS@500nm
	Drift	< 0.0002 Abs/H @ 500 nm
	Mode	Absorbance %, Transmittance % log (Abs), Factor Intensity
	Reproducibility	0.001Abs(1.0 Abs)
Baseline Flatness		0.0005 Abs/h
Baseline Stability		<0.0002 Abs/H@500 nm 2hr warm-up
Stray Light		<0.01% T NAI 220nm
Optional Accessory		Specular Reflection Accessory, Integrating Sphere 60mm / 100mm Automatic 8 Cell Changer, long path cell holder, Peltier Solid Sample holder etc.
Accuracy (with sealed solution) EP/BP/TGA		±0.010 A (60mg/L K2Cr2O7)
Detector		Dual Silicon photodiode
Sample Cell Holder		10 mm 1-cell holder (Multi cell up to 8)
Display		10.1 Inch IPS colour LCD touch screen, capacitive 10-point touch control (resolution: 1280×800), 2GB memory/ 64GB SSD storage, 178 degree full view, 16 million colours, high resolutions, 10.1 inch IPS colour. Embedded Operating system. (with sealed membrane)
Software		Complies with the requirement of 21CFR Part 11 with GLP/GMP functions, le management functions.
Storage		64GB (built-in), unlimited expansion (USB storage, SD card, network storage device)
Interface		USB-A (extensible; connect USB printers, storages, mice, keyboards and other peripherals)×3, USB-B (PC)×1, RJ-45 (Ethernet)×1, VGAX1, HDMI×1, Bluetooth, WIFI
Power		100 ~ 240 V AC, 50/60 Hz, 100 W
Dimension		600X450X200mm
Weight		18 Kg

Labindia Analytical Instruments Pvt. Ltd.

HEAD OFFICE:

Thane: 201, Nand Chambers, LBS Marg, Near Vandana Cinema, Thane (W) - 400 602. **Tel.:** +91-22-2598 6000 / 2598 6110 **E-mail:** sales.mfd@labindia.com

REGIONAL OFFICES:

Delhi: **Tel.:** +91-11-4330 6001 / 10

Chennai: **Tel.:** +91-44-2434 7008 / 2432 0352

Kolkatta: **Tel.:** +91-33-2466 3362

BRANCH OFFICES:

Bangalore: **Tel.:** +91 80 4565 6200

Lucknow: **Tel.:** +91-522-2346 535 / 2346 496

Hyderabad: **Tel.:** 040 4444 3530

Vadodara: **Tel.:** +91-265-2986 005 / 2986 006

Pune: **Tel.:** +91-20-2545 3386

Chandigarh: **Tel.:** +91-172-4090 001-07 / 4090 009

FACTORY 1: Plot No. EL-72, Electronic Zone, TTC Industrial Area, Thane Belapur Road, Navi Mumbai - 400 705. **Tel.:** +91-22-6107 6666

FACTORY 2: Plot No. W-401, TTC, MIDC Industrial Area, Rabale, Thane-Belapur Road, Navi Mumbai 400 701. **Tel.:** +91-22-6107 6555

APPLICATION & TRAINING CENTRE: R-909, TTC Industrial Area, Thane Belapur Road, Rabale, Navi Mumbai - 400 701. **Tel.:** +91-22-6107 6555



Striving to become the best individuals, we endeavour to foster the best team. Performing sensibly, we try to achieve the best efficiency. Working innovatively, we seek to make the best products. Listening patiently, we excel to offer the best service. So, no matter what you needs are, come to us. **GET THE BEST**

LABINDIA reserve the right to change specification without notice as part of its continuous programme of product development.