

LABINDIA
ANALYTICAL
WHERE COMMITMENT IS CULTURE

UV 3200 TOUCH SCREEN Spectrophotometer



Double Beam Optical System with 1200 l/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.

The All-aluminium die-casting base make the instrument stronger and more durable. High resolution TFT colour LCD touch screen provides excellent 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 do zero, connect 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 requirements 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 interfaces (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. Instrument can be used either standalone & through PC.

Separate login for administrator and upto five different user login. It has provision for organization name, chemist name & instrument ID. Instrument have separate audit trail function. System has special provision for nitrate & fluoride analysis. System has password protection.

Specifications

UV3200 TOUCH SCREEN

Optical system	Double beam with Czerny-Turner Monochromator
Light source	Tungsten and Deuterium Lamp, pre-aligned
Spectral bandwidth	0.5, 1, 2, 4nm
Wavelength range	190 ~ 1100 nm
Wavelength accuracy	±0.3 nm (full range 190nm - 1100nm)
Wavelength repeatability	0.1 nm
Wavelength resolution	0.1 nm
Scanning speed	1 to 3000nm/min variable
Photometric range	-4 to 4.0A
Photometric accuracy	0.5A ± 0.002 A
Noise	0.000016 Abs RMS@500nm
Drift	< 0.0002 Abs/H @ 500 nm
Baseline flatness	±0.001 A
Stray light	0.02 @ 220nm KCL 198nm = 1% T
Optional Accessory	Specular Reflection Accessory, Integrating Sphere 60mm / 100mm Automatic 8 Cell Changer, long path cell holder, Peltier Solid Sample holder etc.
Photometric mode	Photometry, Quantitation, Spectrum, Kinetics
Detector	Dual Silicon photodiode
Lamp Interchange Wavelength	Automatic interchange linked to wavelength. The interchange wavelength can be set freely
Wavelength Slew Rate	6500 nm/min
Sample cell holder	Pair of 10 mm cell holder upgradable to automatic 8 cell changer
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, file management functions.
Storage	128GB(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, VGA×1, HDMI×1, Bluetooth, WiFi
Transmittance	0 to 100% T
Tranmittance Accuracy	±0.5%
Power	100 ~ 240 V AC, 50/60 Hz, 100 W
Dimension	600*450*200 mm
Weight	18 kg



LABINDIA
ANALYTICAL
WHERE COMMITMENT IS CULTURE

www.labindia-analytical.com / For Enquiries: sales.mfd@labindia.com

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.