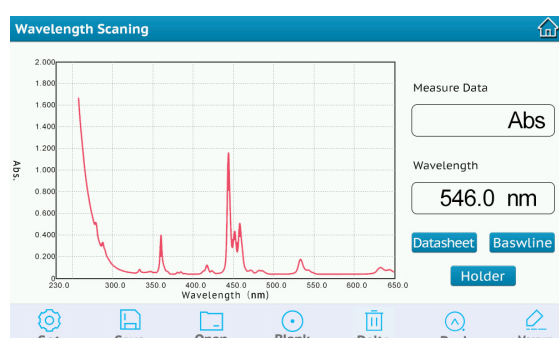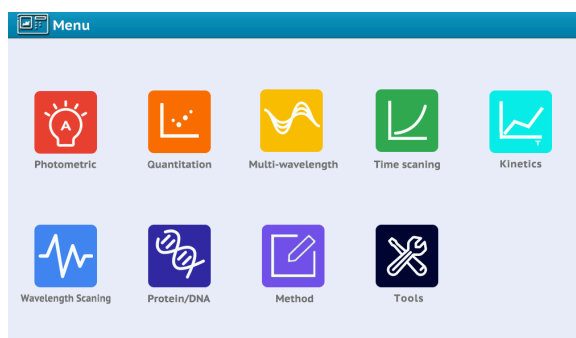# UV/VIS Spectrophotometer
## Double Beam



SALIENT FEATURES:

• With spectral scanning function

• Can measure upto 6 wavelengths at a single time

• Large colorful screen for ease, can scan wavelength directly on the device

• Parallel port & USB port

• Imported japanese lamps & sensor results in perfect measurements

This instrument is widely used in petroleum, chemical, pharmaceutical, sugar, refining, research and food industries. This spectrophotometer also has wide scope of use in related colleges, universities & scientific research institutions for meaning the photometric value of samples.

FUNCTIONS:

• Two detectors are used to measure sample and reference respectively and simultaneously

• Improved Circuit: Improved design prevents circuit fluctuations and stray light to ensure stability of the instrument.

• Sturdy Design: It uses a rigid base to ensure stability & reliability

• Large Colourful LCD Display: It sports a large display to show results and curves directly on the screen

• Multi functions in the software enables the user to toggle between variety of functions such as wavelength scanning, standard curve, kinetics, multi wavelength scanning, DNA/protein test

• Data can be saved in csv file. Data can be exported to a PC

• Has a function for filtering & smoothing the peaks of measurement

# Galaxy'

| Model | UV-X100 |
|---|---|
| Make | Galaxy |
| Bandwidth | 1 nm |
| Cell Holder | Sample & reference cuvette holder (both 10mm) |
| Optical System | Double Beam (1200 lines/mm Grating) |
| Wavelength Range | 190 ~ 1100 nm |
| Wavelength Accuracy | ±0.1nm@656.1nm, ± 0.3 nm(all), |
| Wavelength Repeatability | ± 0.2 nm |
| Scanning Speed | High, Medium, Low (Max. 3000 nm/min) |
| Photometric Range | -3 ~ 3A, 0~200%T, 0~9999C |
| Photometric Accuracy (T) | ± 0.2%T |
| Photometric Repeatability | 0.15%T, 0.001A (0-0.5A),0.002A (0.5-1 A) |
| Stability | ± 0.001 A/h (500 nm, preheating for 1 hr) |
| Photometric Accuracy(A) | ≤±0.002A(0~0.5A), ≤±0.004A(0.5~1A), ≤±0.006A(>2.0) |
| Baseline Flatness & noise | ± 0.001A/h, 0.0005A at 500nm |
| Stray Light | <0.03%T @ 220nm, 360nm |
| Data Output | USB, RS232 |
| Printer Port | Parallel Port |
| Display | 7" Large Colourful LCD |
| Lamps | Imported Xenon Lamp |
| Detector | Silicone Photodiode |
| Power Supply | AC 220V / 50Hz |
| Dimensions & Weight | 590 x 475 x 250mm & 20 kg |



**STANDARD ACCESSORIES:**

• Software

• 10mm Glass Cuvette

• 10mm Quartz Cuvette

• Instruction Manual

• Power Cord