

Double Beam UV-Visible Spectrophotometer

Simple, Effective, Efficient

The Vision 7041 is our most advanced double beam UV/Vis spectrophotometer to date. The 7041 was Designed from the ground up to be easy to use, easy to live with and most importantly the most accurate system we have ever offered.

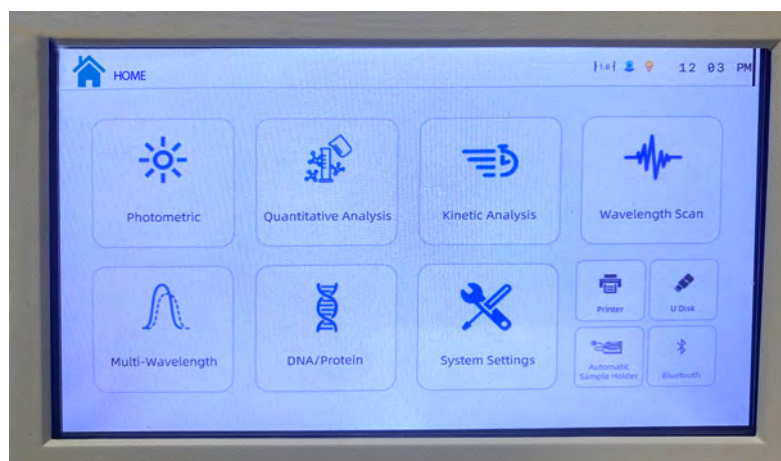


Overview

190-1100 wavelength range
Double Beam optical layout w/ dual detectors
Variable slit selection 0.5/1.0/2.0/4.0 nm
10 inch color touchscreen

Features

- Our Double Beam optical layout with dual detectors achieves superior reproducibility and signal to noise ratio for the very best accuracy.
- The 7041 has variable slit selection 0.5/1.0/2.0/4.0 nm which produces excellent resolution.
- Our large 10 inch color touchscreen and easy to use graphical user interface make operating the 7041 easy.



Vision 7041 Double Beam UV-Visible Spectrophotometer

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Features

- The 7041's optics are sealed with a SiO₂ protective film to avoid stray light caused by dust and corrosive vapors.
- We only use top-notch components which greatly reduces the stray light and improves the stability and reliability of the 7041.
- Our 16mm thick stabil-base design plants the instrument on a sure footing. This ensures optical stability despite thermal fluctuations.
- The Tungsten and D2 lamps are long-lasting, much more affordable than xenon lamps and easy to replace.
- Our light-tight optical design eliminates errors caused by light source and sample changes, making the 7041's results more reliable.
- Photometric measurement, quantitative measurement, kinetics, spectral scanning, multi-wavelength analysis, DNA/ Protein test, etc.
- Automatic self-inspection: all system parameters will be inspected when device turns on. If any error occurs, the system will automatically beep to alarm, and the status indicator of the option is displayed red which is easy to analyze the exact problem.
- Various optional accessories, like automatic cell holder, thermostatic automatic sampler, adjustable micro cell holder, reflection accessory and integrating sphere, etc. which extend the application range of device and combine the requirements of common samples and special ones.
- Automatic wavelength calibration when power on which promises a long-term stability of wavelength accuracy.
- Spectrum bandwidth adjustable at 0.5/1.0/2.0/4.0/5.0nm (model number with S), especially suitable for samples with sharp absorption peaks, like penicillin sodium, penicillin potassium, etc.
- Follow GLP/GMP standards, user management, logging, data tracking and exporting, etc. are all available

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Technical Specifications

Model	Vision 7041
Wavelength Range	190-1100nm
Bandwidth	0.5,1.0,2.0,4.0nm
Wavelength Accuracy	±0.5nm
Wavelength Repeatability	≤0.2nm
Photometric Accuracy	±0.3%T
Photometric Repeatability	≤0.15%T
Photometric Range	-0.3-3A, 0-200%T, 0-9999C
Stability	±0.002A/h @ 500nm
Baseline Flatness	±0.002A/h
Noise	±0.0005A
Stray light	<0.05%T @ 220nm, 360nm
Data Output Port	USB
Printer Port	USB
Display	320*240 Dots LCD
Lamps	Tungsten Lamp & Deuterium Lamp
Detector	Silicon Photodiode
Power Requirements	110V
Dimension	24x16.9x8.2 inches
Weight	61 LBS

Vision 7041 Compatible Accessories



Thermostatic
Cell Holder



4-Position
Cell Holder



Adjustable
Micro
Cell Holder