

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
- Variable slit selection 0.5/1.0/2.0/4.0/5.0 nm
- Double Beam optical layout w/ dual detectors
- 10 inch color touchscreen
- One matching set 1-Q-10 Quartz Cuvettes included

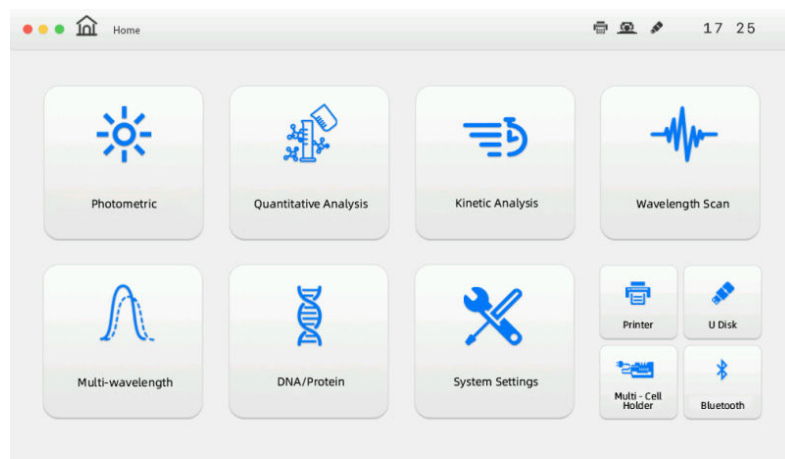


FREE

Matched pair or 10mm
Quartz Cuvettes

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/ 5.0 nm which produces excellent resolution.
- Our large 10 inch color touchscreen and easy to use graphical user interface make operating the 7041 easy.



Large 10" Color touchscreen

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- Adjustable spectrum bandwidth at 0.5/1.0/2.0/4.0/5.0nm, is especially suitable for samples with sharp absorption peaks, like penicillin sodium, penicillin potassium, etc.
- 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 are tested upon start-up. If any error occurs, the system will automatically beep to alarm, and the status indicator of the fault is displayed.
- Wide range of sampling accessories: Auto Cell Changer, Thermo Auto-Sampler, Adjustable Micro-Cell Holder, Reflection Accessories and Integrated Sphere.
- Automatic wavelength calibration when power on which promises a long-term stability of wavelength accuracy.
- Adheres to 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	24 x 17 x 8 inches
Weight	61 LBS

Vision 7041 Sampling Accessories



Thermostatic
Cell Holder



Integrated Sphere

Adjustable
Micro
Cell Holder

