

Laboratory Equipment - Analytical Equipment

721N VIS Spectrophotometer

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721N VIS Spectrophotometer has the holographic blazed grating monochromator has the advantages of high wavelength accuracy, good monochromaticity and low stray light.

Functions:

- Linear regression method and coefficient method are added to the concentration test method.
- USB interface is added, and large capacity memory can store 30 concentration curves.
- Adopt microcomputer measurement system, with high conversion accuracy of T-A, automatic adjustment of
- 0% T and 100% T, concentration factor setting and concentration direct reading.
- High accuracy, Good Reproducibility and Stability of Measurement Readings.
- Automatic light gate technology, No need blackbody, to protect the photoelectric sensor

Specifications :

Photometry: Split Beam
Monochromator Type: Czerny-Turner
Focal Length: 160mm
Grating: 1200 lines/mm
Detector: Silicon Photocell
Spectrum Bandwidth: 2nm
Wavelength Setting: Manual Turn Knob
Wavelength Range: 340-1100nm
Wavelength Accuracy: $\pm 2\text{nm}$
Wavelength Repeatability: $\leq 1\text{nm}$
Stray Light : $\leq 0.1\%T$ (at 360nm NaNo₂)
Photometric Range: 0.0-100.0% T
 0.000-1.999 A
 0.000-1999 C
Photometric Accuracy: $\pm 0.5\% T$
 $\pm 0.004 \text{ Abs (0-0.5A)}$
 $\pm 0.008 \text{ Abs (0.5-1A)}$
Photometric Repeatability: $\leq 0.2\% T$
 0.002 Abs (0-0.5A)
 0.004 Abs (0.5-1A)
Noise: 100% (T) noise $\leq 0.3\%(T)$, 0% (T) noise $\leq 0.2\%(T)$
Power: AC220V $\pm 22\text{V}$ 50Hz $\pm 1\text{Hz}$, 80W
Packaging Size: 580mm X 460mm X 345mm 0.1M $\pm$ 12.5kg



Features and Advantages :

- Sample compartment for 5-10mm cuvettes
- Precise automatic T/A changeover
- Automatic zero and full scale adjustment
- Equipped with USB port
- Direct concentration read-out and concentration factor setting function
- Automatic light gate technology to protect photoelectric sensors

Standard Accessories :

- Operation manual 1pc
- UV WIN8 Spectrum data processing software 1pc
- Glass cuvette 10mm 4pcs
- Power cable 1pc
- Fuse 2pcs
- Cuvette holder 10mm 1pc

Optional Accessories :

- Cuvette holder 50mm 100mm
- Cuvette 20mm 30mm 50mm 100mm