

# 721N VIS Spectrophotometer

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

- 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

### Main Features

- Sample compartment for 5-50mm 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



## 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:	$\pm 2nm$
Wavelength Repeatability:	≤1nm
Stray Light:	≤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, $\pm 0.004$ Abs (0-0.5A), $\pm 0.008$ Abs (0.5-1A)
Photometric Repeatability:	$\leq 0.2\% \text{ T},  0.002 \text{ Abs } (0-0.5\text{A}),  0.004 \text{ Abs } (0.5-1\text{A})$
Noise:	100% (T) noise≤0.3%(T), 0% (T) noise≤0.2%(T)
Power:	AC220V±22V 50Hz±1Hz 80W
Packaging Size:	580mm X 460mm X 345mm 0.1M <sup>3</sup> 12.5kg

### Standrad Accessories

- Operation manual lpc
- Glass cuvette 10mm 4pcs
- Fuse 2pcs

### **Optional Accessories**

• Cuvette holder 50mm 100mm

- UV WIN8 Spectrum data processing software 1pc
- Power cable 1pc
- Cuvette holder 10mm lpc

• Cuvette 20mm 30mm 50mm 100mm