

Laboratory Equipment - Analytical Equipment

721G VIS Spectrophotometer

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721G VIS Spectrophotometer been widely used in colleges and enterprises for general quantitative analysis and experiments based in absorbance measurements.

Functions:

- High quality silicon photometric diode detector and 1200 lines/mm diffraction grating ensure the high quality accuracy and precision.
- Backlit LCD display for an easy readout.
- Automatic 0A and 100%T.
- Easy switching of transmittance, absorbance and concentration modes, just by pressing one key.
- Direct concentration read-out and concentration factor setting function.
- Large sample compartment, for 5 - 100mm path length cuvettes with optional holders.
- Easy to change the halogen lamp or deuterium lamp by the user himself.

Specifications :

Photometry: Split Beam

Monochromator Type: Czerny-Turner

Focal Length: 160mm

Grating: 1200 lines/mm

Detector: Silicon Photocell

Spectrum Bandwidth: 5nm

Wavelength Setting: Manual Turn Knob

Wavelength Range: 340-1000nm

Wavelength Accuracy: $\pm 2\text{nm}$

Wavelength Repeatability: $\leq 1\text{nm}$

Stray Light : $\leq 0.5\%T$ (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 $\pm 22V$ 50Hz $\pm 1\text{Hz}$, 130W

Packaging Size: 560mm X 490mm X 285mm 0.08M³ 14kg



Features and Advantages :

- Sample compartment for 5-100mm cuvettes
- Equipped with RS232 port
- Precise automatic T/A changeover
- Automatic zero and full scale adjustment
- Direct concentration read-out and concentration factor setting function
- Software optional

Standard Accessories :

- Operation manual 1pc
- UV WIN7 software 1pc
- Glass cuvette 10mm 4pcs
- Power cable 1pc
- Fuse 2pcs
- Cuvette holder 50mm 1pc

Optional Accessories :

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