

Laboratory Equipment - Analytical Equipment

721G-100 VIS Spectrophotometer

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721G-100 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: ± 2 nm

Wavelength Repeatability: ≤ 1 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

± 0.004 Abs (0-0.5A)

± 0.008 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 $\pm$ 1Hz, 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 100mm 1pc