

VIS Spectrophotometer Catalogue

Model: 722
Brand: APL
Wavelength Range: 330-1000nm
Spectral Bandwidth: 5nm
Optical System: C-T Single Beam, Grating 1200lines/mm
Wavelength Accuracy: ± 2 nm
Wavelength Repeatability: 1nm
Stray Light: $\leq 0.5\%$ T (360nm)
Photometric Accuracy: $\pm 0.5\%$ T
Photometric Repeatability: $\pm 0.2\%$ T
Photometric Range: -0.3-1.999A 0-200%T
Stray Light: $\leq 0.2\%$ T@220nm,360nm
Stability: ± 0.004 A/h @500nm
Display: Graphic LCD (3.5 bits)
Keyboard: Membrane Keypad
Photometric Mode : T,A,C
Detector: Silicon photo diode
Sample Compartment: Standard 50mm path length 4 cuvette
Accommodates 100mm path length cuvette with optional holder
Light Source: Tungsten lamp (2000hr)
Output: RS-232C Port
Power Requirement: AC 220V $\pm 10\%$ 60Hz
Actual Dimensions: 420 x350 x180mm
Origin: China



Introduction

Visible spectrophotometer, an analytical instrument commonly used in physico-chemical laboratories quantitative and analysis of specimen materials in the ultraviolet, visible spectral range finds much scope for its service in such fields as medicine, clinical examination, biochemistry, quality control, petro-chemical industry and medicin, clinical examination, biochemistry, quality control, petro-chemical industry and environmental protection.

Calibration And Trouble-shooting

After a long time of use, the instrument needs calibrating or repairing, as its Performance index may have changed, here are some tips,

1. **Replacement of tungsten-halogen lamp:**
 2. Turn off and unplug the instrument.
 3. Remove the four screws on the sides of the spectrophotometer.
 4. Remove the three screws on the front on the bottom of the spectrophotometer (Fig2-1)
 5. Remove the Cuvette Holder Control knob by unscrewing the rod counterclockwise.
 6. Remove the WL. setting knob.
- Use a flat head Screw Driver to pick the Cover out From the knob.
 - Use a spanner or sleeve to loosen the screw in the knob, then remove the knob.

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