SCiENTiFiC BaZaR

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VIS Spectrophotometer Catalogue

Model: 722 Brand: APL

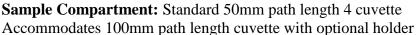
Wavelength Range: 330-1000nm

Spectral Bandwidth: 5nm

Optical System: C-T Single Beam, Grating 1200lines/mm

Wavelength Accuracy: ±2nm
Wavelength Repeatability: 1nm
Stray Light: ≤0.5%T (360nm)
Photometric Accuracy: ±0.5%T
Photometric Repeatability: ±0.2%T
Photometric Range: -0.3-1.999A 0-200%T
Stray Light: ≤0.2%T@220nm,360nm

Stability: ±0.004A/h @500nm Display: Graphic LCD (3.5 bits) Keyboard: Membrane Keypad Photometric Mode: T,A,C Detector: Silicon photo diode



Light Source: Tungsten lamp (2000hr)

Output: RS-232C Port

Power Requirement: AC 220V±10% 60Hz **Actual Dimensions:** 420 x350 x180mm

Origin: China



Visible spectrophotometer, an analytical instrument commonly used in phoysic-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, heare 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 fornt oh 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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Photometric Repeatability	±0.2%T
Photometric Range	-0.3-1.999A 0-200%T
Stray Light	≤0.2%T@220nm,360nm
Stability	±0.004A/h @500nm
Display	Graphic LCD (3.5 bits)
Keyboard	Membrane Keypad
Photometric Mode	T,A,C
Detector	Silicon photo diode, si Photodiode
Sample Compartment	Standard 50mm path length 4 cuvette Accommodates 100mm path length cuvette with optional holder
Light Source	Tungsten lamp (2000hr)

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