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VISIBLE SPECTROPHOTOMETER

LD - LVS - A30

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Visible Spectrophotometer LVS-A30 is single beam, blazed holographic optical system with 320 to 1100 nm wavelength range, and offers spectral bandwidth of 2.0 nm. Designed with Large LCD display (128 × 64 Dots), it display curve and high quality grating, detector and lamps. Features with T, A, C work mode and Tungsten lamp & Deuterium lamp (Pre-aligned). Designed with holographic blazed grating monochromator has the advantages of high wavelength accuracy, good monochromaticity and low stray light. It offers high accuracy, good reproducibility and stability of measurement reading instrument.

Features :

- ❑ The holographic blazed grating monochromator has the advantages of high wavelength accuracy, good monochromaticity and low stray light
- ❑ Designed with Large LCD display (128 × 64 Dots)
- ❑ Sample compartment accommodates 5 to 100 nm Path length cuvette
- ❑ Equipped with USB Port and RS232 Port
- ❑ Auto setting WL, auto Blank
- ❑ Lamps can be turned on/off individually
- ❑ Adopts microprocessor control technology, qualitative analysis of substances in the visible spectrum, High accuracy of measurement readings, good stability
- ❑ Automatic light gate technology, no need blackbody, to protect the photoelectric sensor
- ❑ Reinforced baseboard and bracket assures durability

Application :

Visible Spectrophotometer is used in high requirement for precision measurement in the research and production of organic chemistry, biochemistry, medical testing, food testing, environmental protection, water testing industries, etc.

Specifications:

Model	LD-LVS-A30
Wavelength range	320 to 1100 nm
Spectral bandwidth	2.0 nm
Wavelength Accuracy	± 0.8 nm
Wavelength Repeatability	≤ 0.3 nm
Optical system	Single beam, blazed holographic Grating (1200 lines/mm)
Photometric Range	0 to 200 %T -0.3 to 3 A 0 to 9999 C
Photometric Accuracy	± 0.002A (0 to 0.5A), ±0.004 A (0.5 to 1A), ±0.5 % T (0 to 100% T)
Photometric Repeatability	≤ 0.001A (0 to 0.5 A), ≤0.002A (0.5 to 1A), ≤0.2 % T (0 to 100% T)
Detector	Silicon Photocell
Stray light	≤ 0.1% T (220/360 nm)
Noise	≤0.2 % T/3 min (250/500 nm, 0% T), ≤ 0.5% T/3 min (250/500 nm, 100% T)
Scan speed	High, Medium, Low, Max. 2000 nm/minute
Baseline flatness	± 0.003 A
Stability	± 0.002 A/h (500 nm, 0A)
Sample compartment	Accommodates 5 to 100 nm Path length cuvette
Lamps	Tungsten lamp & Deuterium lamp (Pre-aligned)
Display	Graphic LCD (128 × 64 Dots)
Keyboard	22 key Numeric membrane keyboard
Output Port	USB Port & RS232 Port
Printer	Mini Serial Printer, PC printer

Visible Spectrophotometer LD-LVS-A30

PC software	Optional PC scanning software
Dimension	490 × 390 × 280 mm
Power supply	AC 90 to 250 V, 50/60 Hz
Gross weight	16 kg