SINGLE BEAM UV-VIS MICROPROCESSOR SPECTROPHOTOMETER AL-UV-100

Code: UV-100 GST: 18% Brand: AVAIN LABS







AVAIN LABS® SINGLE BEAM UV-VIS MICROPROCESSOR SPECTROPHOTOMETER AL-UV-100

The AVAIN LABS® Single Beam UV-VIS Microprocessor Spectrophotometer AL-UV-100 is a reliable and cost-effective analytical instrument designed for accurate spectrophotometric measurements in educational institutions, research laboratories, pharmaceutical industries, environmental testing facilities, and quality control laboratories. Featuring advanced microprocessor technology, the instrument delivers precise and stable performance for a wide range of analytical applications.

With a wavelength range of 195–1020 nm and a spectral bandwidth of 5 nm, the AL-UV-100 is ideal for routine UV-VIS analysis. The instrument provides facilities for automatic concentration measurement, % Transmission (%T), Absorbance, and K-Factor calculations, enabling efficient and accurate sample analysis across multiple disciplines.

The spectrophotometer is equipped with a 4-position sample holder selector designed for 10 mm path length cuvettes, allowing convenient sample handling and increased productivity. Data communication is supported through an RS232 interface, facilitating connection to external systems for data transfer and analysis. The instrument is supplied complete with 2 quartz cuvettes and 4 glass cuvettes, making it ready for immediate laboratory use. Dedicated software is included for enhanced data acquisition and management.

Key Features:

- Premium AVAIN LABS® Single Beam UV-VIS Microprocessor Spectrophotometer
- Model: AL-UV-100
- Wide wavelength range: 195–1020 nm
- Spectral Bandwidth: 5 nm
- Automatic concentration measurement
- Absorbance and % Transmission (%T) modes
- K-Factor measurement facility
- Microprocessor-controlled operation for improved accuracy
- 4-position sample holder selector for 10 mm cuvettes
- Stable and reliable analytical performance
- RS232 communication interface
- User-friendly operation and data processing
- Supplied with 2 Quartz Cuvettes and 4 Glass Cuvettes
- Software included for data management and analysis

Technical Specifications:

- Model: AL-UV-100
- Type: Single Beam UV-VIS Microprocessor Spectrophotometer
- Wavelength Range: 195–1020 nm
- Spectral Bandwidth: 5 nm
- Measurement Modes: Absorbance, % Transmission, Concentration, K-Factor
- Sample Holder: 4-Position Selector for 10 mm Path Length Cuvettes
- Communication Interface: RS232
- Accessories Included: 2 Quartz Cuvettes, 4 Glass Cuvettes
- Software: Included

Applications:

Ideal for pharmaceutical testing, water quality analysis, environmental monitoring, chemical analysis, food and beverage testing, biotechnology research, educational laboratory experiments, quality control procedures, and routine scientific investigations.

Available models (3)			
Cat. No.	**Model / Size**	**Size**	**HSN**
UV-100-S1	100 g	100 g	
UV-100	Standard		
UV-100-S2	1 kg	1 kg	

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