

Article Overview

Optical spectrometers in Sri Lanka are available from approximately LKR 150,000 to over LKR 1,500,000 depending on type, model, and specifications.

Overview of Spectrometer Options

- o **Benchtop Spectrophotometers** These high-precision instruments are widely used in laboratories and industrial settings for color matching, quality control, and material analysis. They offer superior accuracy, repeatability, and spectral resolution compared to portable meters. Prices for benchtop models vary based on features such as wavelength range, light source type, and measurement capabilities .
- o **UV/VIS Spectrophotometers** Digital UV/VIS spectrophotometers, including models like UV-1600PC, UV-1800, T70, and T80, are available with wavelength ranges from 190-1100 nm, high photometric accuracy, and dual-beam optical systems. These instruments are suitable for research, industrial, and educational applications. Pricing typically starts around LKR 150,000-300,000 for basic models and can exceed LKR 1,000,000 for advanced dual-beam or high-resolution units .
- o **Online Marketplace Options** Platforms like Daraz.lk offer a variety of spectrometers at competitive prices, including portable and benchtop models. Prices on these platforms can be lower due to direct online sales, but specifications and warranty coverage should be verified before purchase .
- o **Local Suppliers and Manufacturers** Companies such as Laboid International and other verified suppliers provide a range of spectrophotometers with reliable delivery and after-sales support. They offer both standard and customized solutions for laboratories, research institutions, and industrial clients. Bulk or wholesale purchases may provide additional cost savings .

Key Considerations

- o **Wavelength Range & Resolution:** Ensure the spectrometer covers the required spectral range for your application.
- o **Optical System:** Single-beam vs. dual-beam systems affect accuracy and stray light performance.
- o **Light Source:** LED, tungsten, or xenon lamps influence stability and measurement consistency.
- o **Support & Warranty:** Local suppliers often provide installation, calibration, and maintenance services.
- o **Budget:** Prices vary significantly; entry-level models are more affordable, while high-precision instruments for research or industrial use are more expensive. For accurate pricing, it is recommended to contact suppliers directly or check online marketplaces for the latest offers, as prices may fluctuate based on import costs, model specifications, and availability.

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Spectrometer is an optical instrument, which can be used to determine the wavelength of light as well as



Sri Lanka Optical Spectrometer Supply Price

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