



### Overview

Microvolume Spectrophotometer offers a sample volume range of 0.5 to 2  $\mu$ L, making it perfect for handling small samples. It comes with a CMOS array detector for high accuracy and sensitivity. This unit features a wavelength range from 180 to 910 nm, covering a broad spectrum. It provides a fast measurement time of under 6 seconds, delivering efficient results. Our spectrophotometer is constructed from durable stainless steel for long-lasting reliability.

### TECHNICAL SPECIFICATIONS:-

- Sample volume: 0.5 to 2 $\mu$ l
- Wavelength range: 180 to 910 nm; cuvette (OD600): 600 $\pm$ 8nm
- Wavelength accuracy:  $\pm$ 1nm
- Absorbance range (equal to 10mm): 0.02 to 300 A; cuvette (OD600): 0 to 4A
- Absorbance accuracy:  $\pm$ 1% (7.332 Abs at 260 nm)
- Absorbance precision: 0.002Abs
- Nucleic acid range: 2 to 15000 ng/ $\mu$ l (dsDNA)
- Protein detection range: BSA: 400mg/ml
- IgB: 290mg/ml
- Measurement time: <6 secs
- Sample pedestal: 304 stainless steel and quartz fiber
- Light source: Xenon flash lamp
- Path length: 0.05mm, 0.2mm, 1.0mm
- Detector: 2048-element linear silicon CMOS array

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*



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Spectral resolution:  $\leq 1.5$  nm (FWHM at Hg  
253.7nm)

Operating system: Android

Data export: USB

Power adapter: 12V 4A

Power consumption: 48 W

Standby power: 5 W

Product dimension: 270×210×196 mm

Weight: 3.5 kg

**Features :**

- >Low sample consumption
- >Long lamp lifespan
- >Stable signal detection
- >Touchscreen user interface
- >Easy data transfer

**Applications :**

Microvolume Spectrophotometer is used for precise absorbance measurements of small sample volumes in applications such as nucleic acid and protein analysis. It is commonly used in research laboratories, diagnostic settings, and quality control processes.

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