



NANOVOLUME SPECTROPHOTOMETER

Code HJF001 - Model Z-6500

Code HJF00S - Model Z-6500C

The NanoVolume spectrophotometer is an advanced device designed for accurate and rapid quantification of nucleic acids and proteins in extremely small sample volumes. The instrument, with a wavelength range of 200-900 nm, allows accurate measurement of micro samples in the 0.3-2.5 μ l range.

- Compact and handy device.
- Integrated computer with 7-inch high-definition touchscreen display, included software for easy operation and no installation necessary.
- ≥ 32 GB storage for saving measurement result data and user-defined methods.
- Results are saved in spreadsheet format, can be exported via USB or transferred via network.
- The xenon lamp system requires no warm-up time after switch-on.
- Silicon CCD detector offers high sensitivity and speed, allowing fast and accurate results in less than 5 seconds.
- Detection base material is stainless steel, and the centre point is quartz.
- Two USB outputs for connecting devices such as mouse, keyboard, etc.
- Two models available with microscale or microscale and cuvette detection mode.
- Applications: works with preset programs for nucleic acid and protein sample evaluation, microarray colorimetric assays and UV-Vis spectral scanning.

Drop Volume 0.3-2.5 μ l

Allows analysis with
small samples

Practical size

Compact and reduced-
size equipment

Efficient results

Provides fast, accurate,
and stable detection

Robust and precise structure

Detection base made of
stainless steel with a central
quartz point



Main applications



Quantification of nucleic
acids and proteins



Colorimetric
assays



UV/VIS
spectral scanning



NANOVOLUME SPECTROPHOTOMETER

Code HJF001 - Model Z-6500

Code HJF00S - Model Z-6500C



Code		HJF001	HJF002
Model		Z-6500	Z-6500C
Detection mode		Microscale	Microscale/Cuvette
Cuvette	Min sample volume	-	50 μ l
	Min cuvette height	-	5 mm
	Chamber	-	Anechoic for standard cuvettes
Microscale	Drop volume	0.3-2.5 μ l	
Wavelength range	UV-Vis	200-900 nm	
	Protein/Nucleic acid	220-360 nm	
	Microarray	200-850 nm	
Wavelength accuracy		$\pm$ 1 nm	
Wavelength resolution		$\leq$ 2 nm	
Optical system		Split beam	
Optical path		1, 0.5, 0.05 mm (adjustable)	
Photometric range		0-300 A	
Photometric accuracy		0.002 A	
Light source		Long life xenon lamp	
Detector		3864-element linear silicide CCD array	
Nucleic acid measuring range		0.4-15000 ng/ μ l (dsADN)	
Protein measurement range		0.1-400	
Detection cycle		$\leq$ 5 s	
Power		29 W	
Power supply		100-240 V CA, 50/60 Hz	
Dimensions		300x200x180 mm	
Weight		3.2 kg	