

NANOPHOTOMETER -1No.
Doc. No: ST/12/Nanophotometer/2016-17/23

Proposed Application : For estimation of DNA, RNA and Protein Concentrations.

Features :

- Benchtop operated Spectrophotometer with built in touch screen
- Builtin protocols for measurement of concentration of nucleic acids and proteins
- Provision for temperature controlled enzyme kinetics measurements in cuvettes
- Provision for selection of path lengths for both Cuvette and nano volume measurements
- Provision for heating during enzyme measurements upto 37^oc
- System to be used as standalone operation
- Provision for Built in battery operation, USB, HDMI and LAN interface

Specifications:

Spectrum range	:	200 – 900nm
Detection range	:	dsDNA : 1 – 17,000 ng/ μ l approx BSA : 0.03 – 478mg/ml
Path length for low volume	:	0.67 and 0.07nm approx
Path length for cuvette	:	1mm, 2mm, 5mm and 10mm
Full scan measurement time	:	<5sec
Wavelength accuracy	:	\pm 0.75nm
Wavelength reproducibility	:	\pm 0.2nm
Minimum sample volume	:	0.3 μ l

Essential :

- Online UPS of reputed brand and suitable capacity with backup of 30mins at maximum load to be quoted along with the instrument.
- All the items quoted should carry a warranty of 3years comprehensive along with 2years non-comprehensive warranty free of cost.