

**NANO 100**

**ALS-INS025**



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## INTRODUCTION

- ALS-INS025 is the perfect instrument for almost lab dealing with sample analysis or preparation.
- It can accurately measure DNA, RNA and Oligonucleotide calculations, protein assays etc.
- The system utilizes CCD detector, a Xenon light source for long lamp life time together with simply software.
- Simple pipette 0.5~2ul sample on to the pedestal, laying down the sampling arm, it can automatically complete the measurement within 3-5 seconds.

## KEY FEATURES

- Direct, easy measurements in less than 3-5 second: just pipette & wipe.
- Full spectral output.
- Measures DNA, RNA (A260) and protein (A280), concentrations and sample purity (260/280 ratio).
- Large concentration range without dilutions.
- User-friendly software that includes custom methods and data export capabilities.
- Low cost operation: No plates or other consumables

### TECHNICAL SPECIFICATION

<b>Minimum sample size</b>	0.5-2.0µl
<b>Path Length</b>	0.22mm
<b>Light source</b>	Xenon flash lamp
<b>Detector type</b>	3864 element linear silicon CCD array
<b>Wavelength accuracy</b>	1nm
<b>Spectral resolution</b>	≤3nm
<b>Absorbance precision</b>	0.003Abs
<b>Absorbance accuracy</b>	1%(at0.76at 350nm)
<b>Absorbance range</b>	0.02-90(10mm equivalent)
<b>Measurement time</b>	<5s
<b>Dimension</b>	200x262x154
<b>Weight</b>	2.5 Kg
<b>Simple pedestal material</b>	Aluminum ,alloy and quartz fiber
<b>Operating voltage</b>	24V DC
<b>Operating power consumption</b>	12-14W
<b>Standby power consumption</b>	5W
<b>Software capability</b>	Window7and XP