

Thermo Scientific NanoDrop 2000 | 2000c Spectrophotometers

As the industry leader in micro-sample quantitation, Thermo Scientific NanoDrop products meet the needs of today's laboratory scientist— instruments that are smart, simple and robust. We combine our extensive expertise in micro-sample analysis with an in-depth understanding of real-life applications to deliver the latest in UV-Vis and Fluorescence instrumentation.



Thermo Scientific NanoDrop 2000c

The only spectrophotometer that combines micro-volume pedestal technology and cuvette capability.

Thermo Scientific NanoDrop 2000

Delivers the same high-quality performance you've come to expect from our full-spectrum UV-Vis instruments:

- Fast measurement time of less than five seconds
- Innovative software to create custom methods and options to design reports and export data
- Perfect for proteins with low wavelength absorbance, such as peptides at 205 nm
- Sample volumes as small as 0.5 μ l, which is ideal for precious high concentration samples
- Concentration measurement capability up to 15,000 ng/ μ l which eliminates the need to dilute highly concentrated samples

Thermo Scientific NanoDrop 2000c

Does everything the NanoDrop™ 2000 does, plus more. With its unique, patent-pending technology, the NanoDrop 2000c combines micro-volume pedestal technology and cuvette capability in a single instrument:

- Innovative technology that makes this the only UV-Vis spectrophotometer your lab will ever need
- Expanded measurement options for all types of samples—choose the measuring option right for your sample: cuvette or pedestal
- Broader concentration range for measuring very low concentrations and very high concentrations
- Cuvette capability allows for kinetics (time or time/temperature studies) and cell culture (OD 600) measurements

Thermo Scientific NanoDrop 2000|2000c Spectrophotometers

NanoDrop 2000|2000c—pedestal

Instrument Type:	Spectrophotometer
Minimum Sample Size:	0.5 µl
Sample Number:	1
Path Length:	1 mm (auto-ranging to 0.05 mm)
Light Source:	Xenon flash lamp
Detector Type:	2048-element linear silicon CCD array
Wavelength Range:	190 – 840 nm
Wavelength Accuracy:	1 nm
Spectral Resolution:	≤1.8 nm (FWHM at Hg 253.7 nm)
Absorbance Precision:	0.002 (1 mm path)
Absorbance Accuracy:	2% (at 0.76 at 257 nm)
Absorbance Range:	0.02 – 300 (10 mm equivalent)
Detection Limit:	2 ng/µl (dsDNA)
Maximum Concentration:	15,000 ng/µl (dsDNA)
Measurement Time:	< 5 seconds
Footprint:	14 x 20 cm
Weight:	2.0 kg
Sample Pedestal Material of Construction:	303 stainless steel and quartz fiber
Operating voltage:	12 vdc
Operating Power Consumption:	12 – 18 W (max 30 W)
Standby Power Consumption:	5 W
Software Compatibility:	Windows® XP (32-bit) with Service Pack (SP) 2 or later Windows® Vista™ (32 bit)

Specifications NanoDrop 2000c—cuvette

Heating:	37 ± 0.5 °C
Stirring:	150 – 850 rpm
Z-Height:	8.5 mm
Cuvette Dimensions:	12.5 mm x 12.5 mm, up to 48 mm H
Path Length:	10, 5, 2, 1 mm
Type:	Masked cuvette
Absorbance Range:	0.002 – 1.5
Detection Limit:	0.4 ng/µl (dsDNA)
Maximum Concentration:	750 ng/µl (dsDNA)
Measurement Time:	< 3 seconds
Weight:	2.1 kg

All NanoDrop instruments are approved to CE and UL/CSA standards.

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NanoDrop Products Patented Retention System

All NanoDrop products utilize a unique technology that allows a sample to be pipetted directly onto an optical measurement surface. The system uses inherent surface tension to hold a micro-volume sample in place during the measurement cycle. Once the measurement is complete, the surfaces are simply wiped with a lint-free lab wipe.



Our trial program allows you to try an instrument in your lab with your own samples— completely free of charge. Visit www.nanodrop.com to request your free trial instrument.*

* Available only in US and Canada