

Spectroscopy Solutions for Education

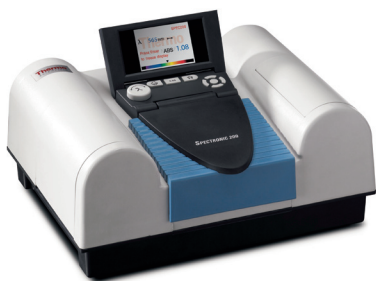
Rugged, simple instruments to teach bright young minds

Select from a comprehensive line of Thermo Scientific™ spectroscopy instruments designed to fit your educational curriculum. Whether you are teaching spectroscopy fundamentals or measuring samples for advanced experiments, our reliable instruments will turn your lessons into a lifetime of knowledge for your students.

- Measure DNA, RNA and protein concentrations
- Follow enzyme kinetics to calculate rate constants
- Demonstrate the difference between absorbance and % transmission
- Perform biochemical and biological colorimetric assays
- Review Beer's Law for calculating concentrations and amounts
- Understand scanning and fixed wavelength measurements



SPECTRONIC 200 Visible Spectrophotometer



The Thermo Scientific SPECTRONIC™ 200 instrument is the modern gold standard for value-priced visible spectrophotometers. Provide new learning experiences for students with the freedom to scan the whole spectrum in 15 seconds or monitor absorbance at a single wavelength. SPECTRONIC 20D+ spectrophotometer emulation option is available.

- Removable sample compartment offers easy clean-up
- Accepts test tubes and square cuvettes
- Spectrum indicator in Live Display associates wavelength to color
- Dial-in the cursor to identify peaks in scan mode
- Quant mode with a factor or up to four standards

Description	Supplier No.	Fisher Catalog No.
SPECTRONIC 200 Visible Spectrophotometer	222-265700	14-385-491

GENESYS 20 Visible Spectrophotometer

Universities and basic quality control laboratories the world over rely on the Thermo Scientific GENESYS™ 20 to provide absorbance or concentration measurements in four simple steps. Consistent, high-quality data from this instrument offers outstanding measurement range and photometric accuracy at an economical price.

- Robust optics with grating monochromator and Tungsten light source
- Compact design has sealed keypad and sloping surfaces to shed spills
- Snap-in accessories accommodate different size cuvettes
- Optional built-in printer saves bench space



Description	Supplier No.	Fisher Catalog No.
GENESYS 20 Visible Spectrophotometer	4001-000	14-385-445
GENESYS 20 Visible Spectrophotometer with Printer	4004-000	14-385-459

GENESYS 10S Visible and UV-Visible Spectrophotometers

These performance-proven instruments are compact, easy to program, and deliver unmatched measurement performance at an affordable price. GENESYS spectrophotometers are designed with a sealed, sloping keypad that sheds spills, adapting to any teaching environment.

- SmartStart™ software shows methods on screen at start-up
- Live Display, Standard curve, Kinetics and Scan modes offer data viewing options
- Xenon lamp with 3 year warranty (UV-Vis)
- Accessories available for temperature control, sipper systems and more



Description	Supplier No.	Fisher Catalog No.
GENESYS 10S UV-Visible Spectrophotometer (wavelengths 190–1100 nm)	840-208100	14-386-515
GENESYS 10S UV-Visible Spectrophotometer with Printer	840-208200	14-386-516
GENESYS 10S Visible Spectrophotometer (wavelengths 325–1100 nm)	840-207900	14-386-519
GENESYS 10S Visible Spectrophotometer with Printer	840-208000	14-386-520

NanoDrop 2000/2000c UV-Vis Spectrophotometer



Using the patented Thermo Scientific NanoDrop™ microvolume sampling technology, a 1 μ L sample can be measured in less than 5 seconds. Students simply pipette a 1 μ L sample directly onto the pedestal, measure and wipe clean. In addition to the pedestal, the NanoDrop 2000c instrument offers a cuvette position for larger volumes.

- Capture full spectral data, concentration, and purity data for nucleic acids and proteins (e.g., A260/A280 ratios)
- No need to dilute sample with the large concentration range (2–15,000 ng/ μ L for DNA)
- Customize methods, design reports, and export data

Description	Supplier No.	Fisher Catalog No.
NanoDrop 2000 UV-Visible Spectrophotometer	ND-2000	S06497
NanoDrop 2000c UV-Visible Spectrophotometer with Cuvette Station	ND-2000c	S06497C

NanoDrop 3300 Fluorospectrometer

Using our patented sample retention technology, this versatile fluorometer brings the sensitivity and selectivity of fluorescence analysis to microvolume samples. The UV, Blue, and White LEDs, cover a broad wavelength excitation range (wavelengths 400–750 nm).

- Analyze emission from multiple probes from one sample
- Compatible with common dyes (e.g. Fluorescein, Hoechst, Cy3)
- Easy-to-use software with PC control
- No filters set required; simple setup for students



Description	Supplier No.	Fisher Catalog No.
NanoDrop 3300 Fluorospectrometer	ND-3300	ND-3300

Nicolet iS5 FT-IR Spectrometer



The compact Thermo Scientific Nicolet™ iS™5 Fourier transform infrared spectrometer uses molecular vibrations in the mid-infrared region to identify components in solids, liquids, and gases. Teach students how to interpret spectral features with our intuitive software.

- Affordably priced for any academic budget
- Easy-to-use software helps analyze spectra
- Field-proven optics are rugged enough to transport across campus

Description	Supplier No.	Fisher Catalog No.
Nicolet iS5 FT-IR, KBr Windows, English	912A0712	14-200-121
Nicolet iS5 FT-IR KBr Windows, French	912A0713	14-200-122
Nicolet iS5 FT-IR ZnSe Windows, English	912A0714	14-200-123
Nicolet iS5 FT-IR ZnSe Windows, French	912A0715	14-200-124
Nicolet iS5 Academic Starter Kit	840-220700	14-387-520



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