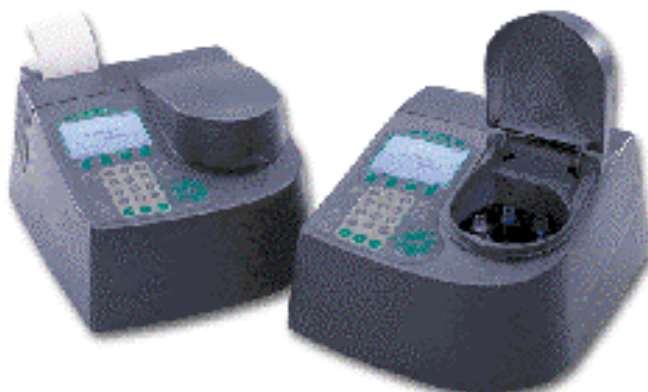


GENESYS™ 10 UV/Vis Spectrophotometer

Meet the New Laboratory Standard

Researchers, scientists and technicians worldwide depend on Thermo Spectronic to provide UV-Visible spectrophotometers to suit their specific applications and needs. We are pleased to introduce the **new** laboratory standard, the **GENESYS™ 10 spectrophotometer**.



Powered to Perform, Priced to Surprise

GENESYS spectrophotometers have long been known as the dependable choice for busy laboratory environments. The GENESYS 10 gives you all the features you have come to expect from a GENESYS spectrophotometer including a rugged design, a user-friendly interface and unrivaled reliability. The GENESYS 10 also provides the functionality of an expensive spectrophotometer at an affordable price. Both the Visible and UV-Visible GENESYS 10 models feature a powerful optical design, flexible sample handling and versatile software capabilities that make the GENESYS 10 the smart choice for testing water and waste-water, inorganics, food and beverages, as well as quality control of chemicals or life science applications.

GENESYS 10 UV-Visible spectrophotometers truly are powered to perform and priced to surprise!

High-Quality Optics for High-Performance Results

High-quality optics are absolutely essential for obtaining accurate and precise spectrophotometric measurements. Both GENESYS 10 models utilize a unique optical design that dramatically reduces stray light and produces a precisely focused image on the sample. This imaging allows the use of microcells without special cell holders and ensures the accuracy of your results every time.

The GENESYS 10 UV-Visible model features a xenon flashlamp and dual detectors for an outstanding signal-to-noise ratio. The xenon lamp flashes only when needed during measurements resulting in extended lamp life and lower operating costs. An added benefit of the xenon lamp is its distinct and uniform emission lines that allow wavelength accuracy and resolution to be verified across the wavelength range. Do you need quick, accurate measurements? The GENESYS 10's high-performance optics will do the work for you!

An optional, built-in, 3" (76.2mm) wide printer documents all parameters including time and date, test name, data and final results. It displays graphs, statistics and sample number; perfect for Good Laboratory Practice (GLP) requirements.

A large graphical display allows easy viewing of instrument conditions and results.

Thanks to a small instrument footprint, you have plenty of room for other lab equipment.

6-Position Cell Holder models hold a blank and up to five samples in 10mm square cuvettes or (10mm or 1/2") test tubes. The standard turret will measure all six positions automatically or can be rotated to specific positions by pressing the cell changer buttons. The powerful optics of the GENESYS 10 even allow you to measure 70µL without a special holder.

Routine Absorbance and Transmittance measurements can be determined from the instrument's main screen using a very simple 3-step process. Concentration measurements only require two additional steps: measuring and entering the concentration of the standard.

Simple keyboard-based operation and "Softkeys," specific to each screen, simplify setting up the instrument with your laboratory's test parameters.

Cell changer buttons rotate samples into position.

Cleanable, chemical-resistant surfaces and rugged design make the GENESYS 10 the ideal choice for harsh laboratory environments.

Specifications:

Wavelength Range	190 nm a 1100 nm
Wavelength Accuracy	±1.0 nm
Wavelength Repeatability	±0.5 nm
Spectral Bandwidth	5 nm
Optical System	See below
Photometric Range	-0.1 to 3.0A; 0.3 to 125%T; 0 to 9999C
Photometric Accuracy	0.5% of reading, or 0.005A (whichever is greater) up to 2A
Photometric Readout	Absorbance, %Transmittance, Concentration
Lamp Source	See below
Detector	Solid-state detector
Monochromator	Grating
Noise (peak-to-peak @ 340nm)	≤ 0.001A at 0A; ≤ 0.002A at 2A
Drift after warmup	≤ 0.001A/hr
Stray Light (at 220, 340 & 400 nm)	≤ 0.1%T
Display	LCD, 3.8"x2.8"; 40 col x 20 rows
Supplied interface	RS-232-C
Supplied Cell Holder	See below
Software	Built-in: Abs/%T/Conc with Std/Conc with Factor; Standard Curve; Abs Ratio; Abs Difference; Kinetics; Survey Scan; 3-Point Net; Multiple Wavelengths; Performance Verification
Test Storage	Up to 40 sets of test parameters
Data Storage	none
Languages	English, French, German, Italian, Spanish
Outputs	See below
Included with product	Operator's Manual; Dust cover
Power Requirements	100-240V, 50/60Hz
Dimensions	33cmW x 41cmD x 23.5cmH (13"W x 16"D x 9"H)
Weight	19 lbs (8.6 Kg)
Warranty	1 year