



SPECTROPHOTOMETER GENESYS20

GENESYS™ 20 Spectrophotometer

The new GENESYS™ 20 Spectrophotometer is compact, easy to use, and carries the same reputation, value, and ruggedness that has been the hallmark of the SPECTRONIC™ 20 for over forty years. A sleek, new design houses up-to-date electronics and the latest optical components for improved performance, capabilities and longevity. The same tests you typically run with the SPECTRONIC™ 20, now run faster, with more efficiency, and yield more accurate results. In addition, our three-year warranty reduces maintenance costs and increases peace of mind.



Easier than ever to use

- Only 10 keys simplify use
- 2-line, 20 character LCD readout displays data and gives easily understood instructions
- Clear messages indicate error conditions
- Four simple steps to measure absorbance or transmittance
 - Select wavelength using keys (a wide 325 to 1100nm operating range)
 - Select mode using A/T/C key
 - Insert blank and press 0 ABS/100 %T key
 - Insert sample and observe reading

Test tubes or cuvettes - Pick your size

- Use 10 mm square cuvettes, 10 mm test tubes or SPECTRONIC™ 20, 1/2" test tubes-they all fit in the cuvette holder provided with the instrument. Optional snap-in holders are available

Choose your data output

- Built in, fully functional bi-directional RS-232-C interface permits remote computer operations or printer link
- Built in Centronics printer port

Specifications:

Wavelength Range	325 to 1100 nm
Wavelength Accuracy	±2.0 nm
Wavelength Repeatability	±0.5 nm
Spectral Bandwidth	8 nm
Optical System	Single-beam
Photometric Range	-0.1 to 2.5A; 0 to 125%T; 0 to 1999C
Photometric Accuracy	0.003A (from 0 to 0.3A); 1% of reading (from 0.3A to 2.5A)
Photometric readout	Abs, %T, Conc, Factor
Lamp Source	Tungsten Lamp
Detector	Solid-state detector
Monochromator	Grating; 1200 lines/mm
Noise (peak-to-peak)	<0.001A @ 0A; <0.002A @ 2A
Drift	<0.003/hour
Stray Light (at 340 & 400 nm)	<0.1%T
Display	LCD; 20-character, 2-line
Supplied Interface	RS-232-C; Centronics parallel
Supplied Cell Holder	Single-cell for 10-mm pathlength square and test tube cuvettes
Test Storage	One set of parameters in non-volatile memory
Data Storage	None
Languages	English, Spanish, French, Czech, Portuguese, German
Outputs	RS-232-C; Centronics parallel for printer
Included with product	Dust cover, Operator's manual; 5 disposable cuvettes
Power Requirements	100-240V, 50/60Hz
Dimensions	30cmW x 33cmD x 19cmH (11.8"W x 13"D x 7.5"H)
Weight	10 lbs (4.5 Kg)