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UV-Vis spectroscopy solutions for research labs

Leveraging 60 years of spectroscopy experience, Thermo Scientific™ GENESYS™ UV-Vis spectrophotometers offer superior performance, walk-up convenience and a modern ergonomic design. With a broad range of accessories, the GENESYS UV-Vis spectrophotometers can meet nearly every need of academic research, QA/QC and R&D laboratories.

Thermo Scientific™ GENESYS™ 150 UV-Vis Spectrophotometer

Research quality measurements with routine simplicity

- Dual (split) beam optics for accuracy
- Xenon flash lamp flashes only during measurements saving power and lamp life
- High resolution, lab-glove-compatible touchscreen interface tilts to avoid glare
- Peltier thermostatted cell holder, sipper, 8-cell changer and fiber-optic dip probe accessories for advanced experimental needs
- Access favorite methods quickly with Smart Start operation
- Export data via USB, Ethernet, or Wi-Fi; print reports from on-board control via Ethernet or Wi-Fi

For life science labs, the Thermo Scientific™ BioMate™ 160 model includes all the features of the GENESYS 150 instrument plus pre-programmed life science methods. The GENESYS 150 is also available as a Visible-range instrument (Thermo Scientific™ GENESYS™ 140 Visible Spectrophotometer).

Thermo Scientific™ GENESYS™ 180 UV-Vis Spectrophotometer

High-throughput ready

Includes all of the features the GENESYS 150 instrument plus double beam optical design to correct for changing absorbance of your sample matrix; 8 cell changer included.

Thermo Scientific™ GENESYS™ 50 UV-Vis Spectrophotometer

Modern functionality for single cell analysis

- Tough fixed-position, high-resolution, lab-glove compatible touchscreen
- Rugged sample compartment; removable, washable liner for easy clean-up
- Support for cuvettes up to 100 mm pathlength and test tubes up to 150 mm tall and 25 mm diameter

Also available as a Visible-range instrument (Thermo Scientific™ GENESYS™ 40 Visible Spectrophotometer).

Description	Part Number
GENESYS 40 Visible Spectrophotometer	840-297000*
GENESYS 50 UV-Visible Spectrophotometer	840-298000*
GENESYS 140 Visible Spectrophotometer	840-308000*
GENESYS 150 UV-Visible Spectrophotometer	840-300000*
GENESYS 180 UV-Visible Spectrophotometer	840-309000*
BioMate 160 UV-Visible Spectrophotometer	840-301000*

USA country power cable part numbers listed. For other countries, substitute last three numbers from 000 to: 100 = China • 200 = India/RSA • 300 = EU • 400 = UK • 500 = Aus/NZ

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Also available for your research needs:

Thermo Scientific™ Evolution 201/220 UV-Vis Spectrophotometer

Flexibility and reliability for method development

- Double beam optical design to correct for changing absorbance of the sample matrix
- Precisely known zero-time data and electronic in/out triggering deliver the highest level of accuracy for rapid-mixing kinetics measurements
- Cell changers and sipper are cable-free, snap-in Thermo Scientific™ Smart Accessories™ with auto-recognition and initialization to speed your analysis
- Selectable bandwidth option and Thermo Scientific™ INSIGHT™ software for 21 CFR Part 11 compliance

Description	Part Number
Evolution 201 UV-Visible Spectrophotometer, PC control	840-210800
Evolution 220 UV-Visible Spectrophotometer, PC control	840-210600

Choose the right UV-Visible spectrophotometer for your research applications

Feature	GENESYS 50 UV-Vis**	GENESYS 150 UV-Vis**	GENESYS 180 UV-Vis	Evolution 201/220 UV-Vis
Applications	For routine single-cell analysis	For labs with large numbers of samples or specialized accessory needs	For labs with large numbers of samples, specialized accessory needs or assays that require a reference cell	For labs that require sophisticated accessories or 21 CFR Part 11 compliance
Beam Geometry	← Dual Beam (internal reference correction) →		Double Beam (both sample and reference cuvettes)	
Optical System	← Xenon Flash Lamp, Czerny-Turner Monochromator →			
Spectral Bandwidth	2.0 nm	2.0 nm	2.0 nm	1 nm (Evo 201); user-selectable (Evo220)
Detector	← Dual Silicon Photodiodes →			
Wavelength Range	190 – 1100 nm			
High-definition Color Display	Yes	Yes	Yes	Computer or tablet control
Room-light Resistance	No	Yes	Yes	Yes
Full Spectrum Scanning, Live Display, Fixed mode, Quant, Peak Pick, Kinetics	Yes	Yes	Yes	Yes
21 CFR Part 11 Compliance	No	No	No	Yes
Printer Options	← Snap-on printer and laser printer →			Print from INSIGHT PC software (optional)
8-cell Changer	No	Optional	Standard	Optional
Supports Peltier, Fiber Probe	No	Yes	Yes	Yes
Connectivity	USB, Ethernet, Wi-Fi (optional)			PC control
Performance Verification	Yes	Yes	Yes	Yes, Pharma capable
Warranty	← 2-year warranty, 3rd year available when registered →			1 year

GENESYS 40 and 140 Visible spectrophotometers includes Tungsten-Halogen lamp, 4.0 nm spectral bandwidth and a wavelength range of 325 - 1100 nm

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