Thermo Scientific VISION*lite 5* software greatly enhances the capabilities of our stand-alone Visible and UV-Visible spectropho-tometers. Modern and user-friendly, VISION*lite 5* lets you use your spectrophotometer to its fullest potential, displaying and reporting experimental and analytical results with ease.

Thermo Scientific
VISION*lite 5* Software

For Visible and UV-Visible spectrophotometers

VISION*lite*™ *5* software is the latest release of our easy-to-use software for spectropho-tometers in routine analysis and education environments. Updated to provide full support for the Thermo Scientific SPECTRONIC 200 visible spectrophotometer, and completely compatible with Microsoft® Windows® 7, VISION*lite 5* gives you complete control over the spectrophotometer.

With the common experimental param-eters conveniently arranged in a control bar that is always visible, VISION*lite 5* offers quick training for new users and walk-up simplicity for experienced analysts or students. Select the appropriate module and perform:

- Wavelength scans
- Kinetics experiments
- Single or multiple fixed wavelength measurements
- Quantitative analyses
- Instrument performance verification

Accessory Control at the Click of a Button

New in VISION*lite 5* is the option to control both a Thermo Scientific GENESYS 10S or BioMate 3S spectrophotometer and either of the two common accessories from a single software interface.

Adding the **Air-Cooled Peltier Single Cell Holder System** gives you control of the cuvette temperature to a precision of 0.1 °C for optimum performance in biological, enzymatic or kinetics experiments.

Being able to control the **Economy Sipper System** from within VISION*lite 5* makes automated analysis with a sipper even easier, increasing efficiency and reducing error rates in high throughput laboratories.
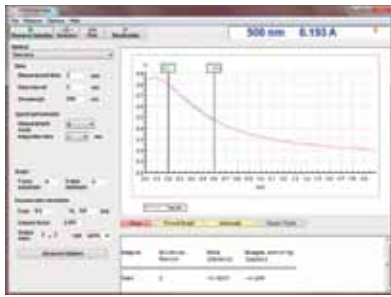
Scan – *High Resolution Spectra in Seconds*

Scanning under VISION*lite 5* offers several advantages over the same measurement on a local control system.

- All systems
  - *Peak pick to identify and label wavelength peaks or valleys*
  - *Overlay spectra for visual comparison*
  - *Import, save or export data in native or CSV format for easy archiving and report generation*
  - *Auto scaling of data plus simple zoom controls for detailed examination of spectra*

Advanced scanning for your SPECTRONIC 200 or GENESYS spectrophotometer

Thermo
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Rate Application

Fixed Application

VISION*lite 5* will apply QC Pass/Fail criteria automatically and print the error condition with the sample report.

Quant Application

- SPECTRONIC™ 200
  - Double the data resolution: 0.5 nm readout compared to 1 nm in local control
  - Zoom in the absorbance axis as well as the wavelength axis
- GENESYS™ 20
  - Add scanning capability to your GENESYS 20 with VISIONlite 5
- GENESYS 10S
  - More sophisticated over-lay and zoom
  - Higher resolution full color display with report printing capability

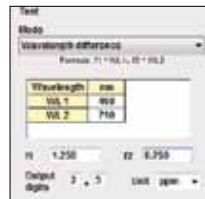## Rate – *Measurement of Reaction Kinetics*

Add capability beyond the local control for SPECTRONIC 200 and GENESYS 20. The Rate application enables you to determine kinetic parameters by measuring the absorbance at a specific wavelength over a period of time.

- Measure multi-cell kinetics in parallel or serial mode
- Automatic enzyme activity calculation
- Automatic data storage plus import or export your data in CSV format
- Measure up to 100 samples in a single data set

Fixed – *Monitor Concentration Using Factor Methods*

Program your standard methods to run with automatic calculation of the reportable result in the correct unit.

- Measure at one or multiple wavelengths
- Apply factors and equations to your data to generate results directly
- Addition, subtraction, ratio and baseline correction options
- Display results with units from a menu or define your own custom unit
- Run standard bio-tests using the pre-programmed protein and DNA methods included with the software
- Save or print your results as a report, or export data in CSV format to use in your own template

Quant – *Determination of Sample Concentration Based on Standards*

Prepare a series of standards to define a calibration curve, apply up to a cubic fit to your data, then measure samples and report concentrations based on your calibration.

- More standards and non-linear curve fitting options offer greater confidence and accuracy than can be accomplished under local control on SPECTRONIC 200 and GENESYS 20
- Choose from 11 pre-programmed reporting units or define your own
- Apply dilution factors in software to allow you to keep data for all your samples in range without doing off-line calculations
- Automatic data saving for peace of mind
- Save or print your results as a report, or export data in CSV format to use in your own template

Performance Verification

Being able to document that your instrument is giving valid data can be crucial in quality control environments. Select from the range of available Performance Verification tests that is customized to your instrument's specifications. VISION*lite 5* will prompt you to present the correct reference materials in order, and then print a complete report for your compliance file.

Expand Your Possibilities

Get more out of your spectrophotometer system with method packs for VISION*lite 5*. Options include standard methods for niche applications such as analysis of olive oil or wine.

System Requirements

VISION*lite 5* software supports the following Thermo Scientific Visible and UV-Visible spectrophotometers:

- SPECTRONIC 200
- GENESYS 10S and 10S Bio
- Evolution™ 60S
- GENESYS 20
- BioMate™ 3S

The software requires a computer running Microsoft Windows XP 32 bit or Windows 7 (32 or 64 bit).

Ordering Information

Description	Part Number
VISION*lite 5* Software CD. Includes software and operator's manual (English and German)	834-091300
Air-Cooled Peltier Single Cell Holder System	222-238100
Economy Sipper Systems for Visible or UV-Visible analysis	699-XXXXXX*
VISION*lite* Olive Oil Analysis Methods	869-128500
Reporter-SPX Custom Report Template Software	869-127400
RS232 Cable (GENESYS 20)	335942-000
Standard USB Cable (SPECTRONIC 200, GENESYS 10S and 10S Bio, BioMate 3S, and Evolution 60S)	085-820200

*Ask your Thermo Fisher Scientific distributor which Sipper System would be best for your analysis.
Ask your Thermo Fisher Scientific equipment distributor about additional application specific software for our spectrophotometers:
EnzLab – Enzymatic Food Analysis software for the GENESYS 10S or Evolution 60S; VISIONlite ColorCalc – Software for color determination.

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Belgium +32 53 73 42 41	+46 8 556 468 00	**Latin America** +1 561 688 8700	**Switzerland** +41 61 716 77 00
Canada +1 800 530 8447	**France** +33 1 60 92 48 00	**Middle East** +43 1 333 50 34 0	**UK** +44 1442 233555
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