# Thermo Scientific VISION/ite 5 Software

For Visible and UV-Visible spectrophotometers

Thermo Scientific™ VISION/lite™ 5 software greatly enhances the capabilities of our stand-alone Visible and UV-Visible spectrophotometers. 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.

## **Spectrophotometer Enhancements** with VISION lite 5 Software

#### **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, multi-standard quant and kinetics capabilities to your GENESYS 20

### **GENESYS 10S. Evolution 60S**

- More sophisticated over-lay and zoom
- Higher resolution full-color display with report printing capability

## **Evolution 201, 220, 260 Bio and 300**

- Simplified controls for everyday users



VISION lite 5 software is the latest release of our easy-to-use software for spectrophotometers in routine analysis and education environments. Providing full support for these Thermo Scientific™ spectrophotometers:

- SPECTRONIC™ 200
   Evolution™ 60S
- GENESYS<sup>™</sup> 20
- Evolution 201
- GENESYS 10S
- Evolution 220 Evolution 260 Bio
- BioMate<sup>™</sup> 3S
- Evolution 300

and completely compatible with Microsoft® Windows® 7 and Windows 8.1, VISION lite 5 gives you complete control to run your spectrophotometer.

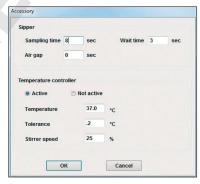
Training new users to make measurements with VISIONlite 5 is fast and simple. Controls and parameter details are always visible, inviting walk-up use for both first time users and experienced analysts. Select the appropriate module and perform:

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

## **Accessory Control at the** Click of a Button

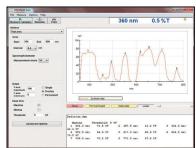
Whether your experiment requires automation to enhance sample throughput or thermostatting to preserve precious biological samples, VISION lite 5 provides full control of the required accessories.

Automate your sample handling with multi-cell changers. On the GENESYS 10S, BioMate 3S and Evolution 60S, the standard 6-cell changer is fully controlled, as are the optional Smart Rotary 7-Cell Changer and Smart Linear 8-Cell changer for the Evolution 200 Series and Evolution 300.



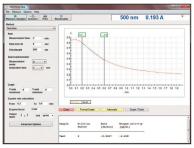
A sipper and flow cell free your technicians from the task of pouring each sample into an individual cuvette, increasing efficiency, reducing error rates and minimizing handling of toxics or corrosives in high throughput laboratories. The **Economy Sipper System** for the GENESYS 10S, BioMate 3S or Evolution 60S, and the Smart Sipper System for the Evolution 200 Series and 300 are fully controlled by VISION/ite 5.

Adding the Air-Cooled Peltier Single Cell **Holder System** for the GENESYS 10S, BioMate 3S or Evolution 60S gives you control of the cuvette temperature to a precision of 0.1 °C for optimum performance in biological, enzymatic or kinetics experiments.

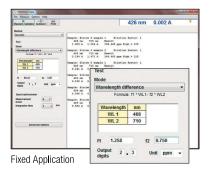


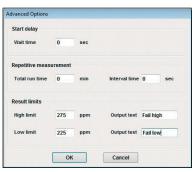
Simple, intuitive controls for scanning



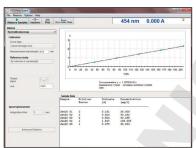


Rate Application





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



Quant Application

## Scan - High Resolution Spectra in Seconds

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

- 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

#### 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/ite 5. Options include standard methods for niche applications such as analysis of olive oil or wine.

#### **User Interface Languages**

VISION *lite* 5 software installs with the user interface configured in any of these languages:

- English •
- PortugueseChinese
- Spanish

- Korean
- Ero
- FrenchGerman
- Italian

#### **Ordering Information**

Description	Part Number
VISION/lite 5 Software DVD. Includes software and operator's manual (English and German)	834-091300
Air-Cooled Peltier Single Cell Holder System (GENESYS 10S, BioMate 3S or Evolution 60S)	222-238100
Economy Sipper Systems for Visible or UV-Visible analysis (GENESYS 10S, BioMate 3S or Evolution 60S)	699-XXXXXXX*
VISION/ite 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

<sup>\*</sup> 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: VISIONlite ColorCalc — Software for color determination.

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