



**Thermo Scientific INSIGHT 2 Software**  
for Evolution 200 Series UV-Vis  
Spectrophotometers

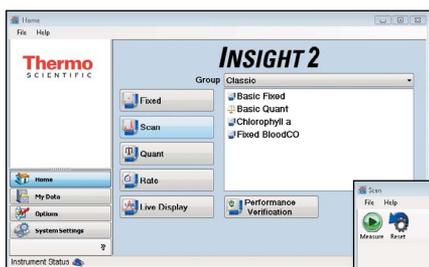


**Comprehensive solutions**  
Simplified workflows

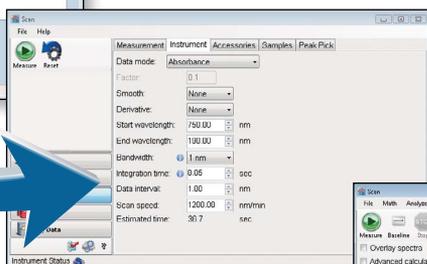
# Accelerate your analysis

No matter how you use your UV-Visible spectrophotometer, from simple measurements to the most sophisticated research studies, Thermo Scientific™ INSIGHT™ 2 software helps you reach answers consistently and with unprecedented speed. Build your own QA/QC procedures to remove costly manual operations and increase your laboratory productivity. Delivered in the language you prefer with the simple, effective tools you need to achieve regulatory compliance or accelerate your research studies; INSIGHT 2 software enhances your UV-Vis spectrophotometer.

**CHOOSE**



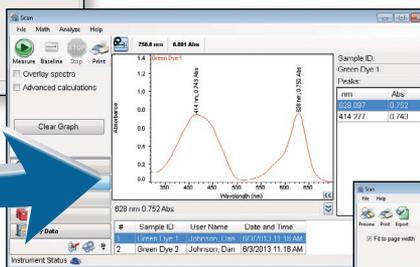
**CUSTOMIZE**



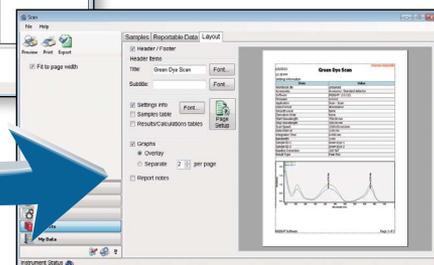
Go from your samples to answers, seamlessly

From sample to final report, INSIGHT 2 quickly guides you through each step of your analysis. Comprehensive and versatile Fixed, Scan, Quant, and Rate applications provide maximum support for all your analytical needs.

**MEASURE**



**REPORT**



Traditional UV-Visible applications are redefined with INSIGHT 2 software, providing simple and powerful tools to tackle even your most challenging assignments.

Applications	Fixed	Scan	Quant	Rate	Live Display
Key Features	Sample Correction	Automated Peak/Valley Picking	Automated Pass/Fail Analysis	Extend Run Times	Walk-Up Simplicity
	Data Trending	Advanced Spectral Processing	Simplified Report Generation	Temperature Ramping	One-Touch Measurements
	Automated Result Calculations			Multi-Stage Rate Calculations	Simplified Scan

## Simplify your workflow

with automated calculations and result analysis

Minimize errors and increase productivity in your laboratory by letting INSIGHT 2 software perform method calculations and analyses for you. Automatically:

- Calculate standard concentration values from measured weights/volumes
- Perform simple statistical analyses including mean, standard deviation and %RSD
- Correct results for standard and sample properties and preparations steps
- Determine Pass/Fail results according to your method specifications
- Apply user-defined equations to sample results



## Personalize your home screen the way you work

A customizable Home screen conveniently puts your assays and methods right in front of you for immediate access. Organize your laboratory with custom user groups that allow you to hide or display applications and methods to match each group's needs and proficiency. Users can go directly to the methods they use every day and start collecting data instantly.

The screenshot shows the INSIGHT 2 Home screen. On the left is a sidebar with buttons for Home, My Data, Options, System Settings, and Instrument Status. The main area is titled 'INSIGHT 2' and features a 'Group' dropdown menu set to 'Classic'. Below this are several application type buttons: Fixed, Scan, Quant, Rate, Live Display, and Bio Applications. To the right of these buttons is a list of methods: Basic Fixed, Basic Quant, Chlorophyll a, and Fixed BloodCO. At the bottom right, there is a 'Performance Verification' button. Callouts with purple lines point to various elements: 'Select from Five Standard Application Types' points to the application buttons; 'Select Your User Group' points to the Group dropdown; 'View Saved Data and Set Software Options' points to the sidebar buttons; 'Optional Pre-programmed Methods for Protein and Nucleic Acid Analysis' points to the 'Bio Applications' button; 'Verify Instrument Performance' points to the 'Performance Verification' button; and 'Access Saved Method Templates' points to the list of methods.

## Move your procedures from paper to automation

Setting up your experiments is easy with the step-by-step design of INSIGHT 2 software. Organized to think the way you do, INSIGHT 2 intuitively guides you through the set-up process.

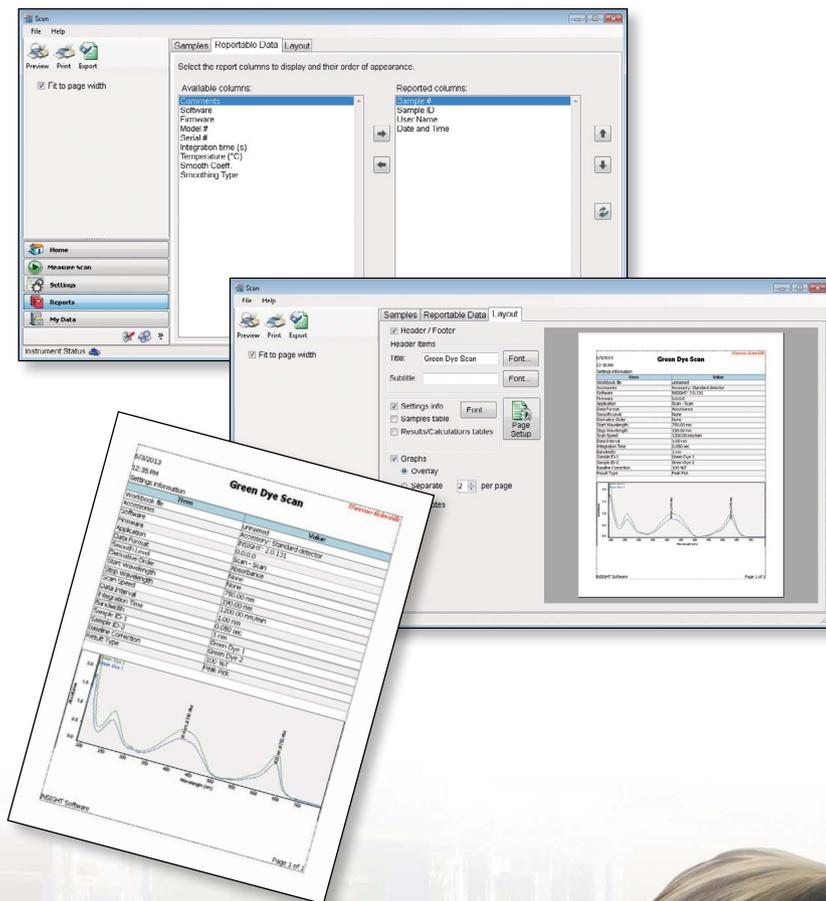
- Sequentially displayed settings tabs move you quickly from start to finish
- Experimental options and settings are logically grouped so you can find them easily
- Built-in intelligence pre-fills dependent selections for added simplicity
- Informational tips available throughout the software provide you with added assistance when you need it

The top screenshot shows the 'Fixed' measurement setup window. It has tabs for Measurement, Instrument, Accessories, and Samples. The 'Measurement' tab is active, showing a description field with 'Analysis of Sample X' and a table for 'Calculate additional results'. The table has columns for Variable Name, Equation, and Unit. The bottom screenshot shows the same window with the 'Instrument' tab active, displaying various settings like Data mode (Absorbance), Integration time (1.00 sec), Bandwidth (1 nm), and Result mode (Normal). It also shows a 'Reference wavelength correction' section with a reference wavelength of 720.00 nm and a 'Wavelength Summary' table with four rows of wavelength values (280.00, 320.00, 720.00, and a partially visible 4th row). A large blue arrow points from the top screenshot to the bottom one, indicating the flow of the setup process.

## Customize reports to fit your needs

Composing detailed reports is effortless with INSIGHT 2 report configuration options. Select the information you want to include and a customized report is generated automatically. Or, export your results for later retrieval in a format that is convenient for you.

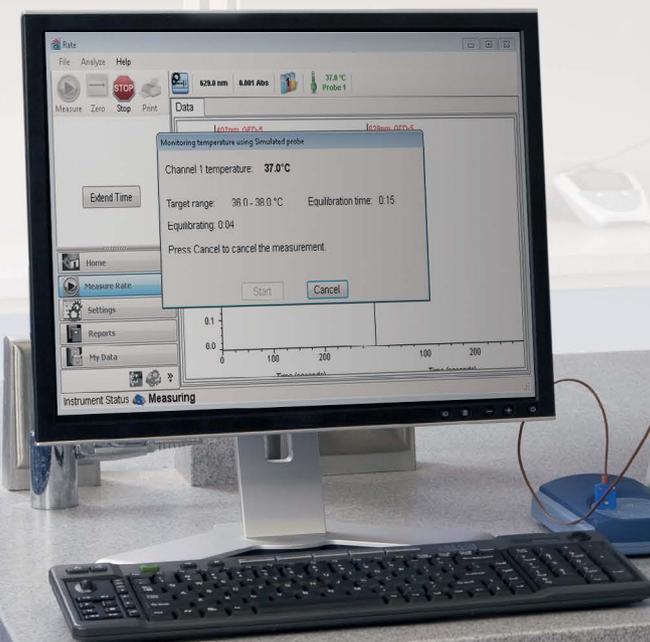
- Define global report settings to automatically include your company's name and logo, time and date stamps, footers and page numbering on every report
- Choose to display your sample and method information, tables, graphs and experimental notes as desired for added flexibility
- Quickly adjust your tables and graphs to maximize space with a convenient Fit to Page Width option
- Export your results quickly and conveniently as \*.xml, \*.csv or \*.tsv files for use in other software platforms



## Integrate accessories into your workflow

Complete control of automated accessories provides superior performance for advanced sample handling requirements. Calibration and alignment tools ensure your accessories are performing optimally every time.

- Control and monitor the temperature of your reactions in up to 8 positions with supported temperature control accessories
- Gain full confidence in your results with hands-free performance verification and accessory calibration modules for your SMART Sipper or Linear 8-cell Changer accessory
- Perform your high-throughput activities with ease using a programmable sipper, cell changer or autosampler accessory



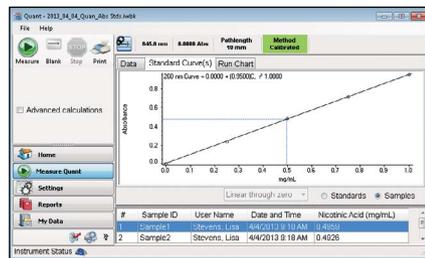
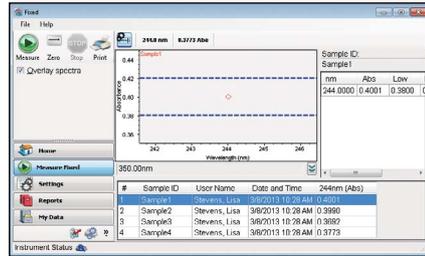
# Choose the best fit for your application

from QA/QC to research

Powerful analytical tools embedded in INSIGHT 2 empower users to interpret analytical information instantly. Specialized display options let you view results the way you want for more effective data analysis.

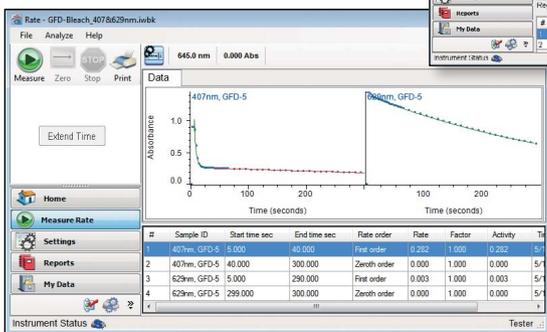
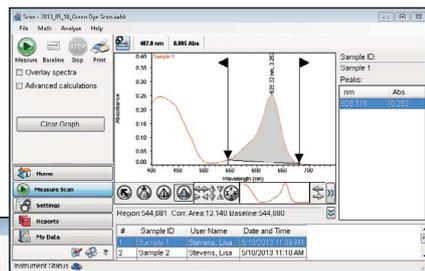
## Streamline QA/QC analysis

- Automated result calculation options eliminate your manual calculations and reduce user error
- Detailed graphical displays of calibration curves and sample run charts provide quick, visual checks of your system suitability and data trends
- Control limits and automated Pass/Fail interpretation provide you immediate compliance results
- Perform multiple calculations and extract parameters in Scanning Quant to create a complete analytical picture, improving your method development experience



## Simplify your research applications

- A multitude of data collection options and graphing features, including 3-D viewing, are available to you for maximum flexibility in your experiments
- Pre-programmed peak analysis and convenient spectral processing tools aid in your sample identification and quantitation for scanning measurements
- Multi-staged curve fitting and consecutive reaction modes provide you with comprehensive data fitting options for your kinetics experiments
- Sophisticated math analysis functions including derivatives and smoothing let you display data in the format you need
- Merge Workbooks feature allows you to quickly and conveniently compare data from multiple experiments



## Quickly measure and preview your sample

The Live Display feature in INSIGHT 2 offers walk-up simplicity for real-time single wavelength measurements or quick identification of a sample peak. Display your results in absorbance or transmittance mode and print them for your experimental records.



**System Performance Verification Report**

Company name: Thermo Scientific  
 Test Name: Wavelength Accuracy (Holmium oxide)  
 Operator: Bruce, Chris  
 Date: Thursday, April 11, 2013 9:51:59 AM (GMT-05:00)  
 Instrument: Evolution 201  
 Serial number: CMC, Beta18  
 CVC Serial number: USP - 21173  
 Accessory base serial number: R0F13392

Measurement Description	High Limit	Low Limit	Measured	Result
Wavelength of 440.53 nm line	641.33	639.33	640.32	Pass
Wavelength of 588.4 nm line	577.23	575.23	576.46	Pass
Wavelength of 651.41 nm line	652.41	650.41	651.79	Pass
Wavelength of 863.31 nm line	863.31	861.31	863.80	Pass
Wavelength of 297.29 nm line	288.36	286.36	287.76	Pass
Wavelength of 241.21 nm line	242.21	240.21	241.75	Pass

Company name: Thermo Scientific  
 Test Name: Wavelength Repeatability (Holmium oxide)  
 Operator: Bruce, Chris  
 Date: Thursday, April 11, 2013 9:59:26 AM (GMT-05:00)  
 Instrument: Evolution 201  
 Serial number: CMC, Beta18  
 CVC Serial number: USP - 21173  
 Accessory base serial number: R0F13392

Measurement Description	High Limit	Low Limit	Measured	Result
Standard deviation of 261 nm peak	0.10	0.00	0.00	Pass

Company name: Thermo Scientific  
 Test Name: Resolution (Tolueno/Hexane)  
 Operator: Bruce, Chris  
 Date: Thursday, April 11, 2013 10:02:49 AM (GMT-05:00)  
 Instrument: Evolution 201  
 Serial number: CMC, Beta18  
 CVC Serial number: USP - 21173  
 Accessory base serial number: R0F13392

Measurement Description	High Limit	Low Limit	Measured	Result
Ratio: Max/Min (68 nm/76 nm)	5.0	1.0	2.1	Pass

Company name: Thermo Scientific  
 Test Name: Stray Light (81, 220 nm)  
 Operator: Bruce, Chris  
 Date: Thursday, April 11, 2013 10:03:46 AM (GMT-05:00)  
 Instrument: Evolution 201  
 Serial number: CMC, Beta18  
 CVC Serial number: USP - 21173  
 Accessory base serial number: R0F13392

Measurement Description	High Limit	Low Limit	Measured	Result
Stray Light at 220 nm (%)	0.05	0.00	0.00	Pass

Company name: Thermo Scientific  
 Test Name: Photometric Accuracy (Dichromate)

Multiple results files included in report



## Ensure consistency of your instrument performance

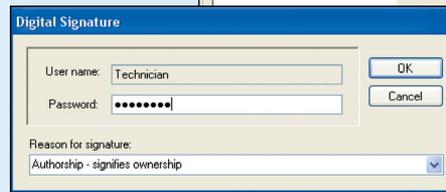
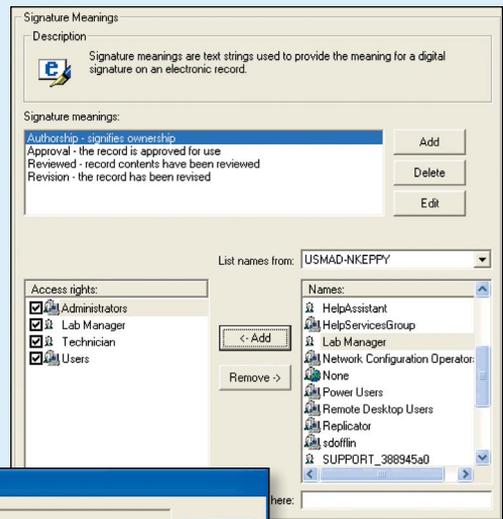
Ensure the accuracy and reliability of your QA/QC data while improving the efficiency of your laboratory with hands-free performance verification. Combine one of our Calibration Validation Carousels (CVCs) with INSIGHT 2 software to minimize errors and instrument downtime.

- Automated testing can save more than four hours of your analyst's time, improving the productivity of your laboratory
- Automatic CVC identification and file matching eliminate your transcription activities and return results that are ready for sign-off when tests are complete
- Traceable standards provide you with compliance to industry guidelines and regulations for both industrial and pharmaceutical laboratories

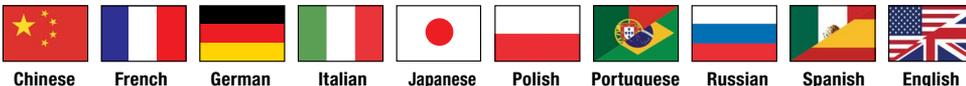
## Enforce data security of your electronic records

If your laboratory requires 21 CFR Part 11 compliance, INSIGHT Security software is here to make your life easier. Using the same easy-to-use interface, INSIGHT Security software combines security and data integrity assurance with the versatility required for your multi-user laboratory.

- Seamless integration with Windows security features ensures that any changes to files associated with INSIGHT Security are monitored and logged, even when the software is not running
- Simple, straightforward user maintenance with Thermo Scientific Security Administration (TSA) allows administrators to manage your users' access and privileges from one central server location



### LANGUAGE SUPPORT



[www.thermofisher.com/uv-vis](http://www.thermofisher.com/uv-vis)

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**Thermo**  
SCIENTIFIC

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