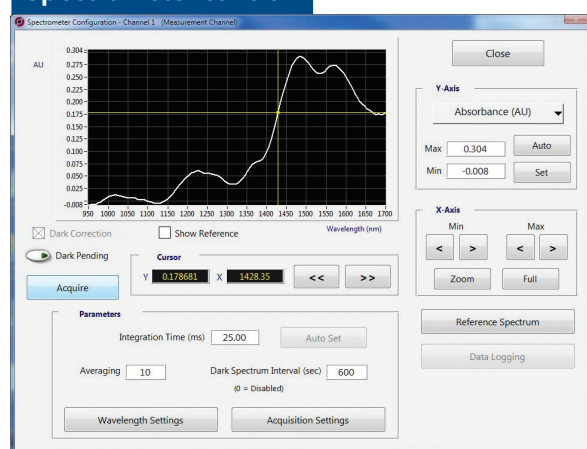


Our fully integrated software suite is an industry-leading choice. It handles both hardware control and chemometric analysis to give you the tools to develop your own models and make real-time decisions.

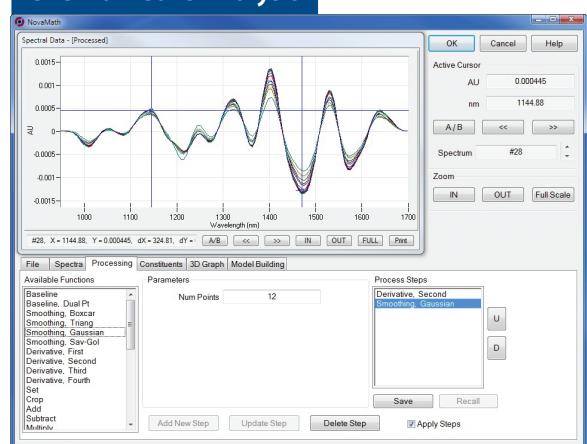
Spectrometer control



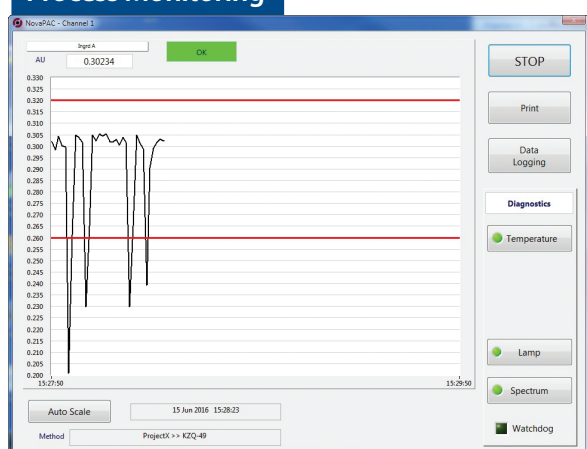
NovaPAC Features

- 21 CFR Part 11 compliant and GAMP compliant
- Windows application with intuitive, easy-to-use graphical user interface
- Provides a common platform for configuration and control of a wide array of spectroscopy-based instruments
- Logging of all acquired and calculated data with various options for file formats, and backup of files to remote drives
- Encrypted audit trail with continuous updates for configuration changes, operating modes, alarm conditions, process events, etc.
- Method-based storage and retrieval of configuration parameters
- Configuration mode operation with complete facilities for setup and verification of system parameters, collection of reference data, etc.
- Process mode operation with real-time display of result values, alarm conditions and diagnostic indicators
- Intrinsic connection to NovaMath application for configuration of processing options/parameters, and for run-time conversion of raw spectral data into result values, per configuration
- Operates as an OPC/DA server to provide remote access to all relevant data and information during process mode operation, and to allow remote control of various aspects of the NovaPAC application
- Automated validation routines based on USP guidelines
- Easy report generation of results, validation data, and audit trails
- Security features include password protection for all users, administrator selectable access levels for users, administrator selectable password aging and lock out
- Four levels of user access (administrator, supervisor, normal user, operator)

Chemometric Analysis



Process Monitoring

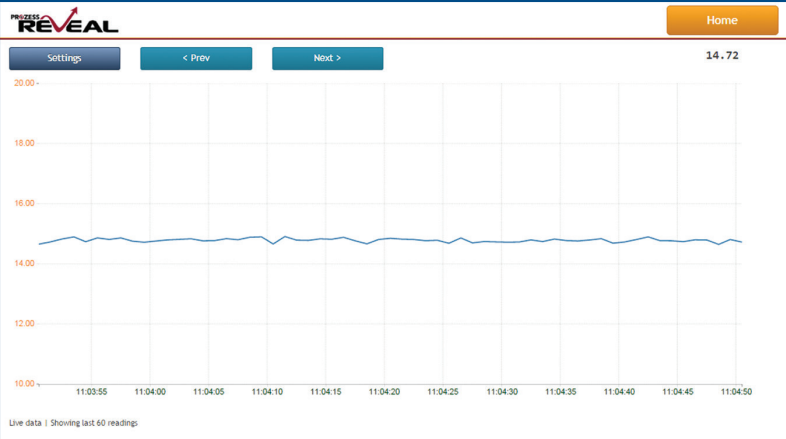


NovaMath Features

- Dual-purpose Windows application that can be used stand-alone for mathematical analysis of spectral data and model development, and as a real-time processing engine in conjunction with the NovaPAC application
- Ability to import spectral data from files with various formats, and from multiple files at once
- Ability to sort and select spectral data based on various criteria
- Graphical display of spectral data and calculated constituent values with various control options
- General file utilities that include opening and saving of files, and conversion of file formats and data units
- Method-based storage and retrieval of configuration parameters
- Simple report generation to printer or PDF
- Selection of mathematical pre-processing steps including standard normal variate, multiplicative scatter correction, smoothing, derivatives, baseline correction, etc.
- Constituent calculations based on modeling, spectral identification, color space, and general math functions
- Hierarchical constituent processing including moving/fixed block trend analyses based on mean, median or standard deviation
- Built-in chemometric model development that includes partial least squares, multiple linear regression, principle component analysis and principle component regression
- Prediction processing for models built with the following multivariate data analysis applications: Thermo-Galactic Grams, Camo Unscrambler (OLUP, OLUC, HMPE), InfoMetrix Pirouette, Umetrics SIMCA-Q

Reveal Web Interface

For customers who want a pre-programmed and developed solution that includes specific modeling for their particular application, the web interface is designed to be a direct connection with the Reveal process analyzer. The Reveal web interface enables you to see real-time information and change parameters from any permissioned web-enabled device. No external software or PC is required with this option. The web interface also enables you to have a versatile GUI.



Please contact us at revealyourapps@prozesstech.com, call (314) 932-2920 or visit our website at www.prozesstech.com

