# Sensing Analysis Software | ENLIGHT<sup>Pro</sup>

## Features

- Simplified data acquisition from interrogation modules
- Optical wavelength conversion to engineering units and measurement quantities
- Wavelength provisioning tools
- Alarm configurations and alert options
- Graphical and schematic data visualization modes

## Functions

- Supports sm125, sm130 and si325
- Runs on sp125 & sp130
- Configure Sensors & Ranges
- Set & Manage Alarm Conditions
- Plot & Save Sensor Data, Multiple View Formats Available
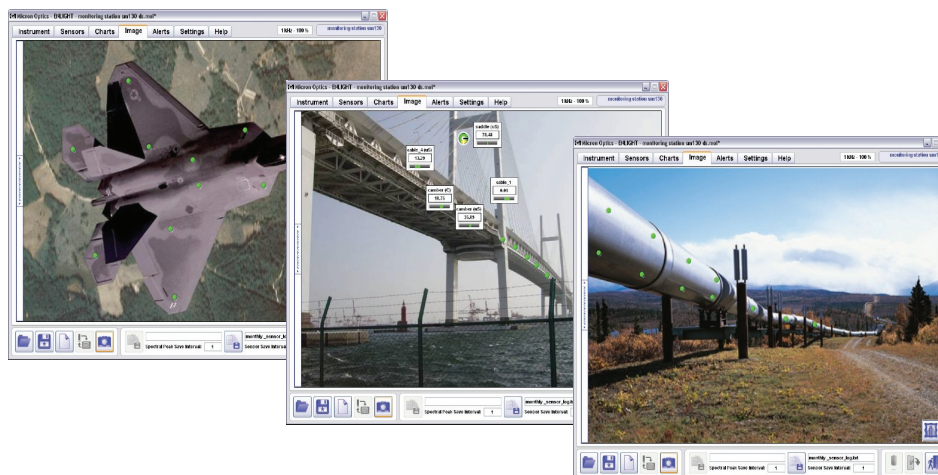- Save Parameters for 100's of Applications

## Benefits

- Results in Engineering Units - Easily translate wavelength information to engineering units.
- Automatic Temperature Compensation Build transducers that include mutiple FBG sensor wavelengths for temperature compensation or special measurements.
- One Tool, Many Applications - Manage data from many sensor sites. Store configurations and settings.
- Intuitive Data Display - Use charts, alarm limits, images and three distinct visual indicators to clearly communicate measurement status and condition of structure

## Computer Requirements

- Windows XP or Vista, minimum 1GHz Pentium v, 2GB RAM, 30GB Disk Storage.

## Description

ENLIGHT<sup>Pro</sup> is a powerful utility included with Micron Optics sensing interrogator systems and provides a single suite of tools for data acquisition, computation, and analysis of optical sensor networks. ENLIGHT<sup>Pro</sup> combines the useful features of traditional sensor software with the specific needs of the optical sensor system, making it easy to optimize optical properties during the design and implementation phase of an optical sensor system. Intuitive data display and additional graphing and data visualization features make ENLIGHT<sup>Pro</sup> easy to use.
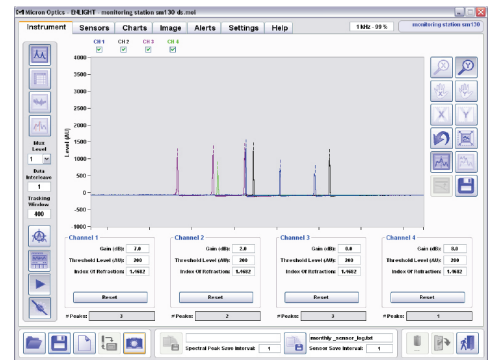




The ENLIGHT<sup>Pro</sup> Sensing Analysis Software tool is included with the sm125 and sm130 Optical Sensing Interrogators. It is also available pre-loaded on the Micron Optics sp125 or sp130 sensor processing units which interface directly with sm125 or sm130 Optical Sensing Interrogators. ENLIGHT<sup>Pro</sup> is a standard feature on the Micron Optics si325 Portable Optical Sensing Interrogator, and other Micron Optics Interrogators like the sm225, sm230, si725 and si730.
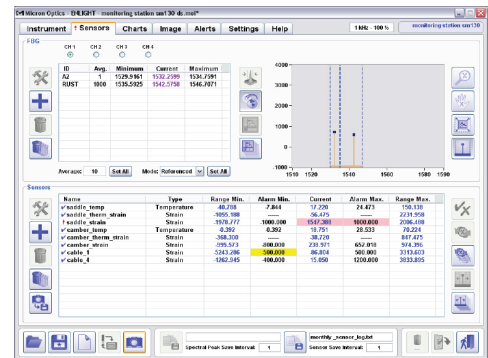
TUNED Products displaying the "Micron Optics Tuned" logo include Micron Optics tunable technologies insuring high quality and performance.

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## Ⓑ [1] Instrument Tab

• Manage data connections

• Optimize and engage spectral peak detection

• View FBG spectral or peak data

• Configure module specific settings

• Enable channel multiplexing

• Display and save FFT information



## Sensors Tab

• Define wavelength ranges for FBG peaks

• Perform averaging, referencing, and other data processing functions on FBGs

• Define sensors quantities (strain, temperature, displacement, pressure, or custom) based upon one or more FBG inputs

• Create calculated macro-sensor elements

• Define sensor ranges, set warning and alarm limits



## Charts Tab

• Combine like sensors together on the same chart

• Display up to 4 charts simultaneously, each with multiple sensor display capability

• Show alarm limits where needed

• Show/hide alarm limits on charts
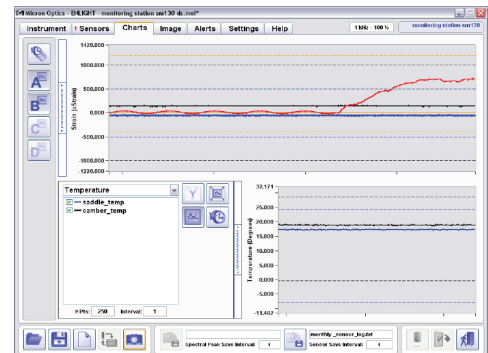
• View historical data



## Image Tab

• Import image for each application

• Choose from 3 types of transducer status indicators

• Position indicators directly on any image

• Receive fast visual updates on transducer status
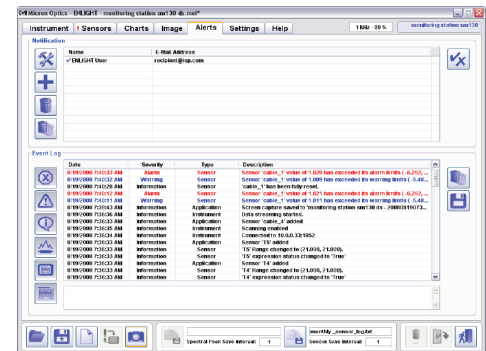
• Maximize display to full screen



Notes:
1. Denotes Beta product. For more details see www.micronoptics.com/product_designation.php.

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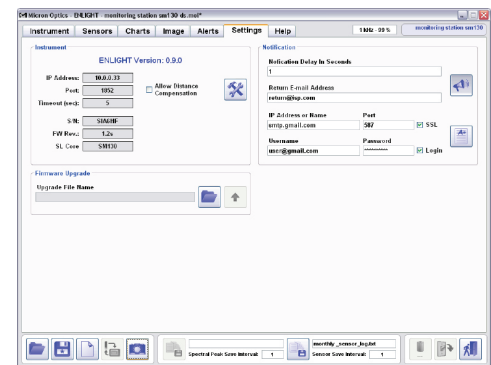fax       404 325 4082
www.micronoptics.com

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## Alarms Tab

- Selectively view information, warnings & alarms associated with sensors, software and instrument events
- Set notification instructions by type and condition for multiple e-mail addresses
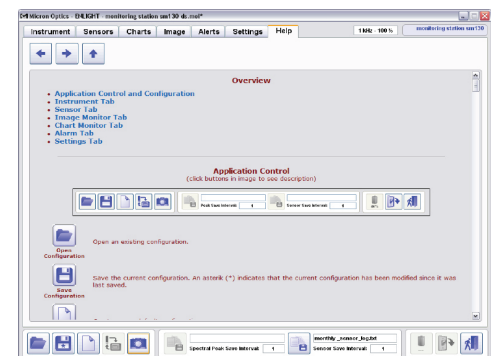


## Settings Tab

- View and set instrument IP address and communication preferences
- Define e-mail notification settings
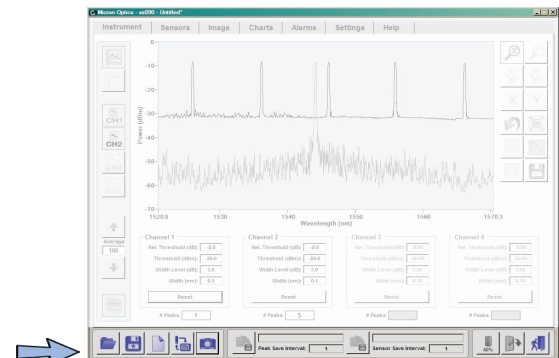- Facilitate interrogator firmware upgrades



## Help Tab

- Get context relevant help for each ENLIGHT<sup>Pro</sup> control
- Touch the button and see a description of its function



## Global Controls

- Load and save configuration files
- Include all settings from all tabs
- Import and export files to usb or disk drives
- Manage data save intervals



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1. Denotes Beta product. For more details see www.micronoptics.com/product_designation.php.