

Methods for Changing Data in a Spectrometer



Summary of Content

You can change data on a spectrometer by using its software interface to rename datasets, add comments, or adjust recorded measurements after calibration and data collection.

Accessing and Modifying Data

- Connect the Spectrometer to a Computer Use a USB cable or the appropriate interface to connect your spectrometer to a PC. Launch the spectrometer software, such as Logger Pro, or the proprietary software provided with your instrument .
- Collect or Open Data After calibration and measurement, the spectrometer will display your data as a spectrum (absorbance vs. wavelength or transmittance vs. wavelength). You can start a new run or open an existing dataset from the software's File menu .
- Rename or Add Comments to a Dataset
- In Logger Pro, select Experiment → Store Latest Run to save your measurement.
- Double-click the column header (default name like "Run 1") to rename the dataset.
- A dialog box titled Data Set Options will appear, allowing you to change the name and add comments about the run. Click OK to save changes .
- Examine and Adjust Data
- Use the Analyze → Examine function (or Ctrl+E) to inspect absorbance at specific wavelengths.

Article Content

Spectrometer Wavelength Calibration: Practice – Eikonal Optics

The code below provides an example of how to perform your own wavelength calibration, avoiding the costly and time

A Review of Calibration Transfer Practices and Instrument Differences ...

A variety of textbooks and papers exist describing the general methods and history of calibration transfer.

How to Do Spectrophotometric Analysis: 13 Steps (with Pictures)

By analyzing the light that passes through the solution, you can identify particular dissolved substances in solution

Spectrometer Calibration: Ensuring Accuracy in Spectral ...

This article will discuss the value of calibrating a spectrometer, the calibration procedure, and the methods utilized to

How to Calibrate a Spectrophotometer: A Step-by-Step Guide

Learn how to calibrate a spectrophotometer with our expert step-by-step guide. We cover wavelength accuracy, photometric

Ultimate Guide to Data Processing in Spectroscopy

Discover the essential steps and best practices for processing spectroscopic data to reveal molecular insights

Wavelength Calibration Methods in Spectroscopy: Techniques & Best ...

Temperature changes, optical misalignment, or detector aging can all play a part. Instruments with built-in calibration

Spectrometer Wavelength Calibration: Theory

Here we propose a method to make this choice. As a concrete example we will work through the wavelength

How to Use a Spectrometer: A Step-by-Step Guide [Calibration Secrets]

Master the art of spectral analysis. Follow our expert guide to spectrometer calibration, sample prep, and data

Calibration transfer between different spectrometers by wavelength ...

In this paper we present a method for transferring calibrations between different spectrometers based on assigning

Contact Us

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