

CTech™ FlowVPE® System: Quick Reference Card

This document refers to using the CTech™ FlowVPE® System with the below software.



Kinetic Fixed Slope Program

Slope measurements taken from a user-defined pathlength, step size, and time parameters.



Kinetic Quick Slope Program

Slope measurements taken from parameters set by an absorbance search algorithm.



WARNING

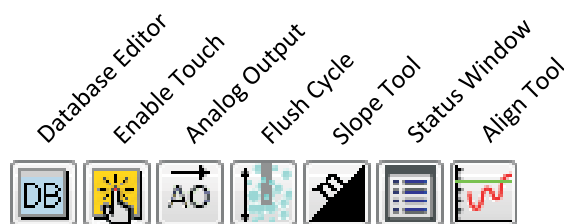


Disable all computer auto-updates to ensure that Flow measurements are not interrupted!
Never load or unload the Flow Cell without following proper procedures! Failing to do so may destroy the accuracy of the Flow measurement and damage the Flow Cell.

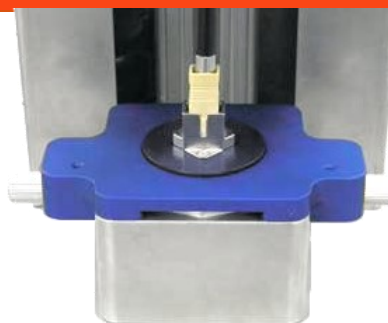
FlowVPE Sidebar

Run Details	Input specifics about the test to be saved with testing data.
Timer Setup	Set a predetermined run time for the current test.
Load Controls	Use to load and unload the Flow Cell.
Setup	Open run details configuration screen for the FlowVPE and Cary.
Slope Inquiry	Takes a single wavelength slope concentration measurement.
Baseline	Initiates baseline data collection based on system setup.
Start	Initiates the collection of data based on system setup.
New Run	Clears the graphics and the report window panes and removes data.

FlowVPE Toolbar



Pre-Run Transmission Check



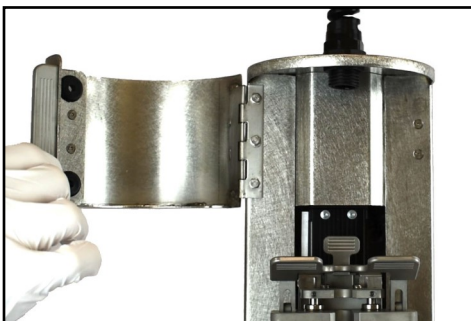
1. Slide on Transmission Tool.
2. Attach to Detector Module.
3. Connect Delivery Fiber.
4. Use the Transmission Check function in Advanced Load Controls.

Cary WinUV Toolbar

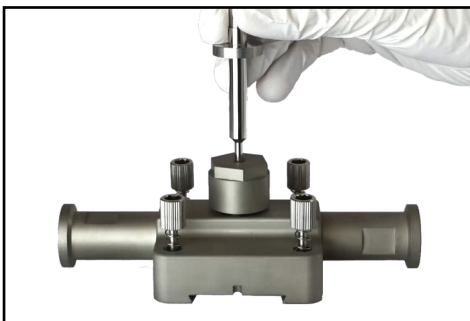


Flow Cell Loading and Unloading Procedure

For complete Flow Cell loading and unloading instructions, reference DOC0096 or the Support Portal Help Videos: <https://support.ctrtechnologiesinc.com>



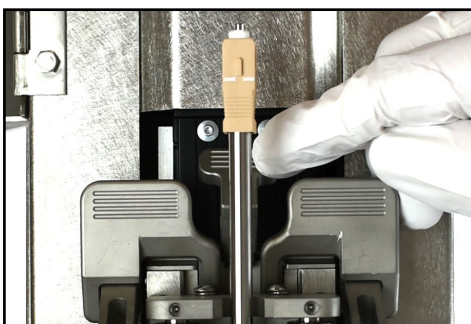
- 1** Open the cover, then click Load Controls. The FlowVPE System will move to the Load Position. Make sure the clamp handle is open.



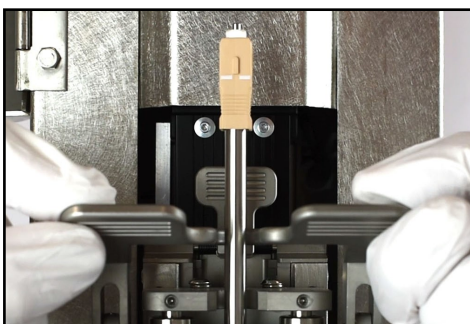
- 2** Insert the Fibrette® Optical Component into the Flow Cell. Push it all the way down until the bottom touches the Flow Cell window.



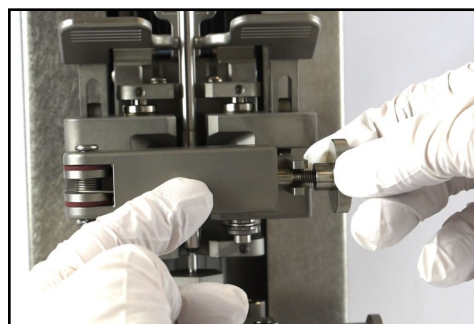
- 3** Slide the Flow Cell onto the Detector Module and hand-tighten the four Captive Flow Cell Fasteners.



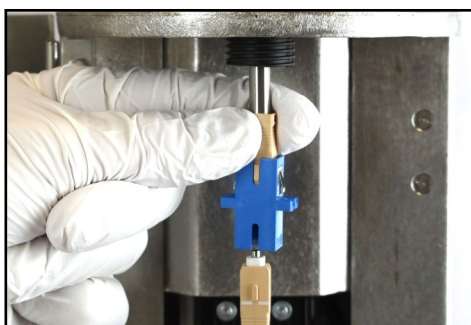
- 4** Push the Clamp Handle Lock up.



- 5** Pull the Clamp Handle down to set and lock the Fibrette Optical Component into the Zero Position.



- 6** Swing the Clamp Lock Arm into place, and tighten the thumb nut to a hard stop by turning clockwise.



- 7** Feed the Delivery Fiber through the Strain Relief and connect to the Fibrette Optical Component using the SC-SC connector.



- 8** Close the Cover and click Load within the software. The FlowVPE instrument is ready for measurements!

To unload the Flow Cell:

Open Load Controls from the sidebar, select Unload, then follow the above procedure in reverse.

FlowVPE System Best Practices

- ✓ Unload and reload the Flow Fibrette and Flow Cell between runs for consistent measurements. Follow the unload procedure, make sure the FlowVPE System is in the Load Position, and then follow the load procedure.
- ✓ Execute cleaning protocol with Flush Cycle engaged between runs to keep Fibrette Optical Component tip clean.
- ✓ In cases of low transmission, check and clean all optical surfaces: the Delivery Fiber ends, Fibrette SC connection, Flow Cell Window, Detector Module Window.
- ✓ Keep the mating surface between the Flow Cell and Detector Module clean.