

FL 6500/8500 Absorbance Module Installation Instructions

This instruction sheet describes the installation of this accessory which is used with the FL 6500/8500 Fluorescence Spectrometer.

NOTE: *Read these instructions before you install this accessory.*

Contacting PerkinElmer

Supplies, replacement parts, and accessories can be ordered directly from PerkinElmer, using the part numbers.

See our website:

<http://perkinelmer.com>

PerkinElmer's catalog service offers a full selection of high-quality supplies.

To place an order for supplies and many replacement parts, request a free catalog, or ask for information:

If you are located within the U.S., call toll free 1-800-762-4000, 8 a.m. to 8 p.m. EST. Your order will be shipped promptly, usually within 24 hours.

If you are located outside of the U.S., call your local PerkinElmer sales or service office.

Features

- Easy to install
- Used for measuring the absorbance



Figure 1 FL 6500/8500 Absorbance Module [P/N:N4201018]



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Shelton, CT 06484-4794, U.S.A**

Produced in the USA.

Dimensions and Specifications

Physical Characteristic	Specification
Spectral range (nm)	200 - 900
Sample Holder	Single 10 x 10 mm cuvette holder
Dimensions (mm)	267 x 130 x 120 (LWH)
Weight (Kg)	1.1

Configuration of the Absorbance Module



Figure 2 Absorbance Module Configuration

Installation

1. Prepare the FL 6500/8500 Fluorescence Spectrometer to install this accessory.
2. Connect the power cord and the communication cable.
3. Loosen the accessory fixing bolt to take apart the existing cell holder.



Figure 3 Loosening the Accessory Fixing Bolt

4. Pull out the cell holder by hand.

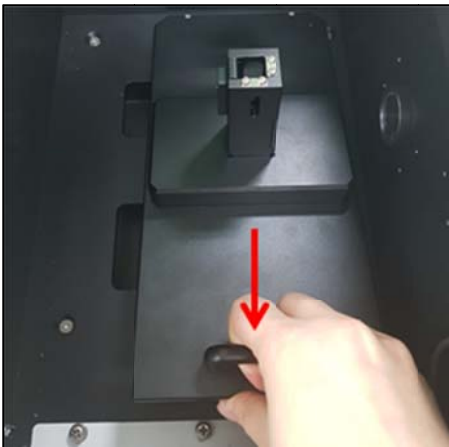


Figure 4 Pulling out the Cell holder

5. After checking the pogo pin position of the sample compartment, attach the Absorbance Module to the pogo pin.



Figure 5 Install the Accessory

6. Tighten the accessory fixing bolt.



Figure 6 Tightening the Accessory Fixing Bolt

7. Connect the SMA Connector to the ABS P.D of the Accessory connect panel and the Absorbance Module Power to the D-Sub 9 pin.



Figure 7 Connecting the SMA Connector and Absorbance Module Power

Measurement

1. Double click on the **Spectrum FL** software.
2. Check the recognition of Accessory.



3. Click **Absorbance** mode.



4. Set up the measurement parameters.

NOTE: *For more detail of method, refer to Spectrum FL Software Users Guide.*

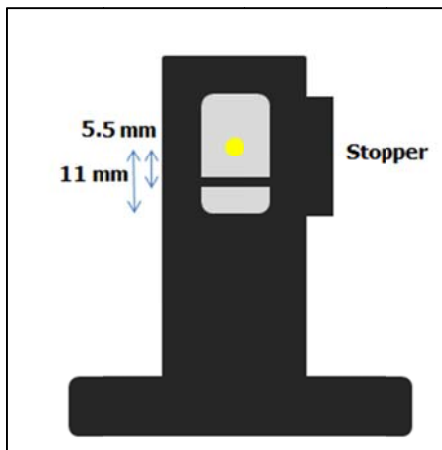
5. Click **Save** to save the method after setting up the parameters.
6. After placing the reference solution into the cell holder (or empty the cell holder), close the lid and select the **Run** icon.
7. Input the sample name and select **OK**.
8. Performed Background Correction.
9. After finishing the Background Correction, remove the reference solution.

10. Insert the sample into the cell holder, close the lid and select **OK**.
11. The results are shown the result window.
12. Save or print the data as required.

Trouble Shooting

When the beam passes through the bottom of the sample

NOTE: The beam height when the stopper is present is 5.5 mm, and the beam height when the stopper is removed is 11 mm.



1. Remove the stopper fixing bolt and pull the stopper forward.



