

FL 6500/8500 Manual Polarizer Holder 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

- Use for anisotropy sample
- Suitable size for the standard cells
- Measure for UV to VIS wavelength range (250 – 900 nm)



Figure 1 FL 6500/8500 Manual Polarizer Holder [P/N:N4201023]



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

Produced in the USA.

Dimensions and Specifications

Physical Characteristic	Specification
Dimensions (mm)	130 x 99 x 267 (WHD)
Weight (Kg)	0.98

Configuration of the Manual Polarizer Holder

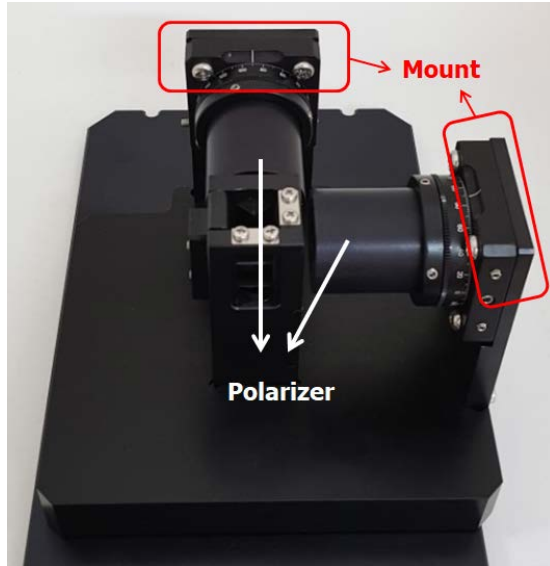


Figure 2 Manual Polarizer Holder Configuration

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.

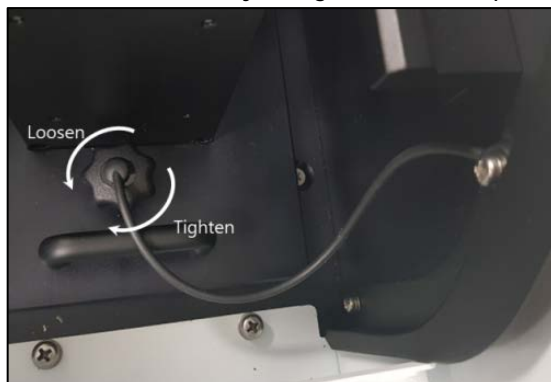


Figure 3 Loosening the Accessory Fixing Bolt

4. Pull out the cell holder by hand.

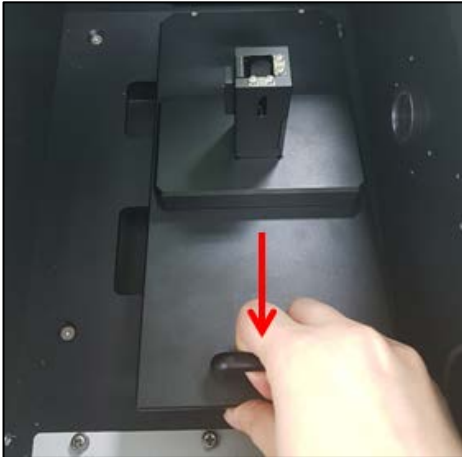


Figure 4 Pulling Out the Cell Holder

5. After checking the pogo pin position of the sample compartment, attach the Manual Polarizer Holder to the pogo pin.



Figure 5 Attaching the Accessory

6. Tighten the accessory fixing bolt.

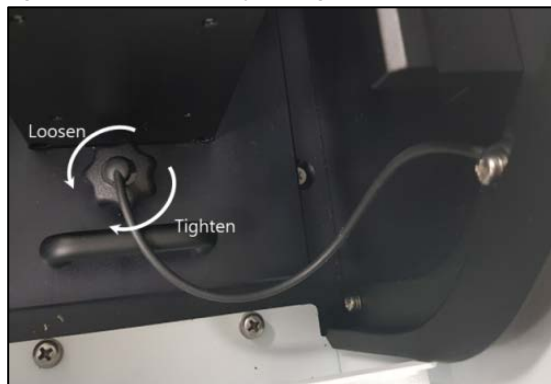
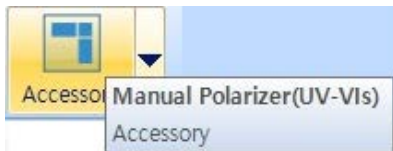


Figure 6 Tightening the Accessory Fixing Bolt

Measurement

1. Double click on the **Spectrum FL** software and select the measurement mode.
2. Check the recognition of Accessory.



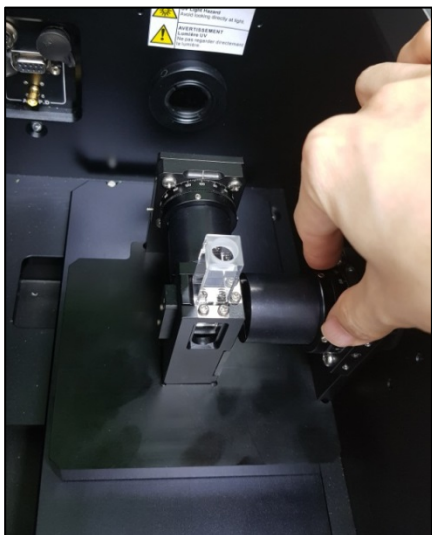
3. Set up the measurement parameters.

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

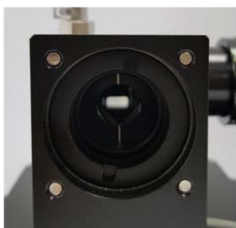
4. Click **Save** to save the method after setting up the parameters.
5. Put the sample cell into the sample holder.



6. Rotate and set each excitation and emission polarizer filter direction before starting measurement.
(90 or 270 degree=Horizontal direction, 0 or 180 degree=Vertical direction)



NOTE: The adjustment of the angle is based on the white line of the mount when viewing the accessory from above.



0 °, 180 ° = Vertical



90 °, 270 ° = Horizontal

7. Input the sample name and select **OK**.
8. Confirm the spectrum and results. Save or print the data.

