

About the Product

The Fiber Optic Cable is specifically designed for use with the UV-VIS Spectrometer (SE-3607). The Fiber Optic Cable makes it possible to measure the intensity of spectra at different wavelengths.

What's Included

- Fiber Optic Cable (SE-7180)
- Reflective Cuvette (SE-7181)

Required Items

- UV-VIS Spectrometer (SE-3607)
- Spectrometry Software
PASCO software is required for data collection and analysis. It is available as a free download at pasco.com/downloads.

Setup

1. Insert the fiber optic cable into the reflective cuvette.
2. Place the nut on the cable over the threads in the cuvette and turn the nut until finger tight.
3. Insert the reflective cuvette into the UV-VIS Spectrometer. Align the triangle on the cuvette with the notch on the test chamber (Figure 1).

⚠ CAUTION: It is important that the cuvette is aligned correctly. Incorrect alignment may result in the fiber optic cable pointing at the UV light source instead of the light sensor.

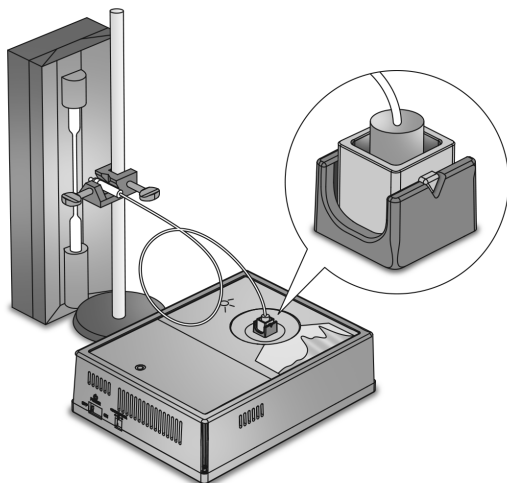




Figure 1. A setup showing the fiber optic cable installed in the UV-VIS Spectrometer and pointed at a light source.



4. Point the other end of the fiber optic cable at a light source.

💡 Tip: Attach the end of the cable to a stand. Place the probe as close to the source as possible without touching the source.

Collecting Data

1. Open the Spectrometry app.
2. Connect the UV-VIS Spectrometer to Spectrometry.
3. Select Analyze Light .
4. Click Record .

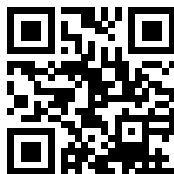
💡 Tip: Click Auto Set under Integration Time if the data is too noisy.

5. Click Stop  to keep the data.
6. Use the Coordinates Tool  to measure peak wavelengths.

Product information

Visit the product web page at [pasco.com/product/SE-7182](https://www.pasco.com/product/SE-7182) for additional information including:

- Specifications
- Buying Guide
- Experiments
- Documents



Technical Support

Need more help? Our knowledgeable and friendly Technical Support staff is ready to provide assistance with this or any other PASCO product.

Phone (USA)	1-800-772-8700 (Option 4)
Phone (International)	+1 916 462 8384
Online	pasco.com/support

Warranty, Copyright, and Trademarks

Limited Warranty

For a description of the product warranty, see the Warranty and Returns page at www.pasco.com/legal.

Copyright

This document is copyrighted with all rights reserved. Permission is granted to non-profit educational institutions for reproduction of any part of this manual, providing the reproductions are used only in their laboratories and classrooms, and are not sold for profit. Reproduction under any other circumstances, without the written consent of PASCO scientific, is prohibited.

Trademarks

PASCO and PASCO scientific are trademarks or registered trademarks of PASCO scientific, in the United States and/or in other countries. All other brands, products, or service names are or may be trademarks or service marks of, and are used to identify, products or services of, their respective owners. For more information visit www.pasco.com/legal.