PASCO
Fiber Optic Cable Kit
SE-7182

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.
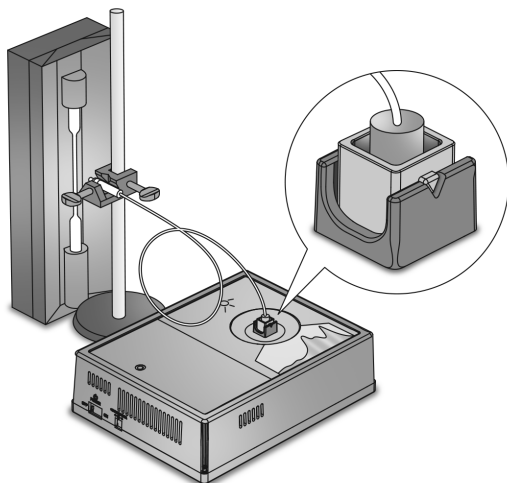

Figure 1. A setup showing the fiber optic cable installed in the UV-VIS Spectrometer and pointed at a light source.

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.
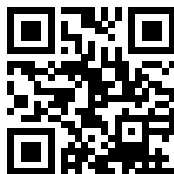3. Select **Analyze Light** 💡.
4. Click **Record** 🔴.

> 💡 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** 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**

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