



# Photon Control

Photon Control offers a wide range of spectroscopy accessories. These are designed to operate in conjunction with Photon Control Spectrometers and Light sources for Absorption/Transmission, Fluorescence, Reflectance and Scattering measurement applications.

Our cuvette holder is a versatile tool with 4 inputs and a filter holder. This makes it suitable for numerous Biochemistry applications.

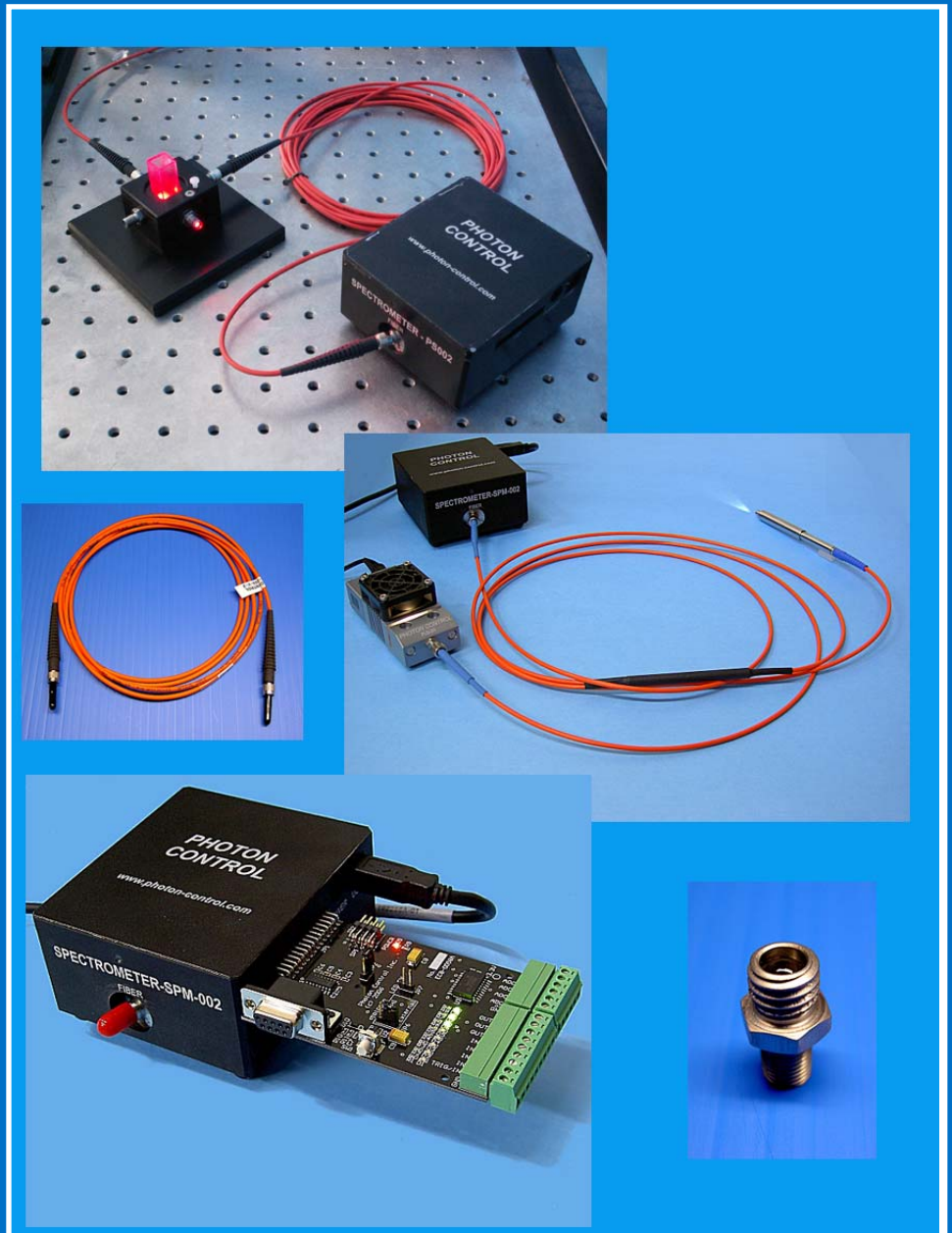
Our reflection probe is designed for a variety of reflectance measurement applications. It can also be used for color measurement in conjunction with Photon Control's SpecSoft user interface software.

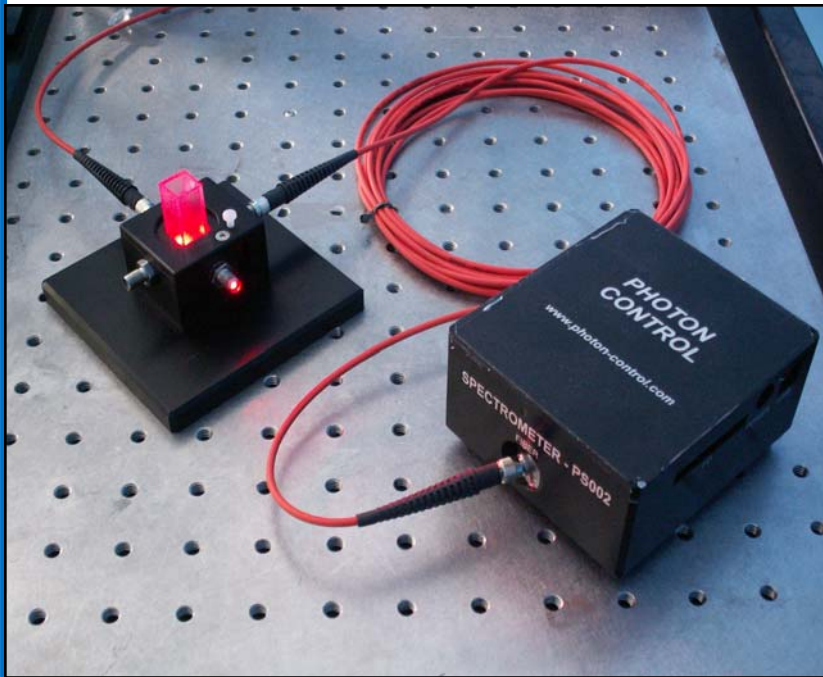
Our Breakout board enables users to conveniently access spectrometer digital I/O signals as well as analog inputs. Further, it facilitates easy connection to the spectrometer external trigger input for synchronized spectral acquisition.

We also offer a variety of patchcords and collimating optics.

Contact us for more details.

## SPECTROSCOPY ACCESSORIES





### Cuvette Holder

The cuvette holder is a multi-purpose tool that can be used for fluorescence, transmission, absorption and scattering measurements. It has 4 input/outputs to support a variety of different applications. As well, it includes a filter holder to customize either input or output spectral characteristics.

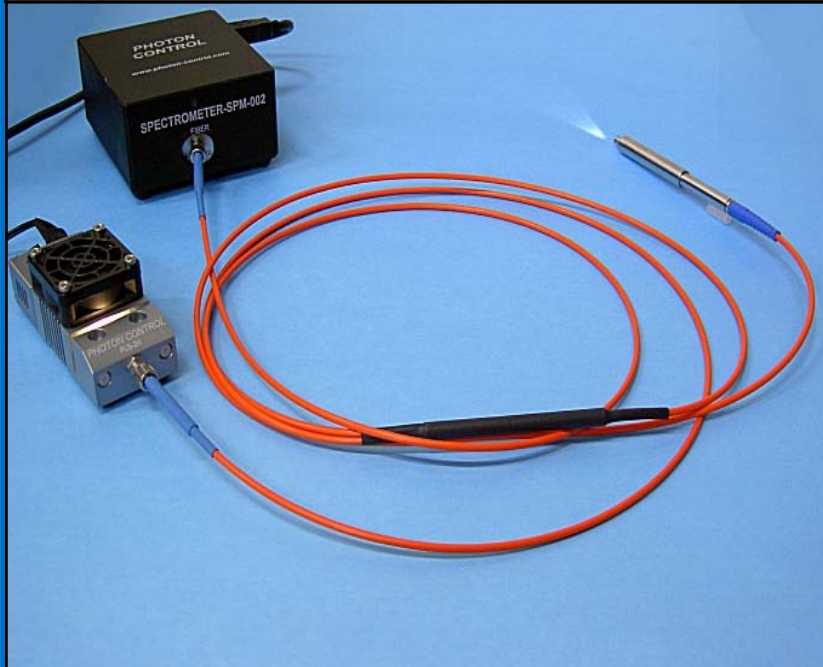
It accepts standard 10mm pathlength cuvettes for measurements in the UV, Visible and NIR wavelengths.

It works well when combined with a Photon Control spectrometer, light source and SpecSoft software, as an integrated measurement solution.

Model: SPA-COU

### Additional Accessories

Description	Model
Plastic Cuvettes, 1cm path, 10 pack	SPA-PL-COUV-1



### Reflectance Probe

The reflectance probe is a robust, multipurpose tool for reflectance measurements. It uses 7, 200 um core optical fibers in the probe tip for light output and detection. The center fiber is then split into one end of the bifurcated patchcord and the other 6 fibers into the other end.

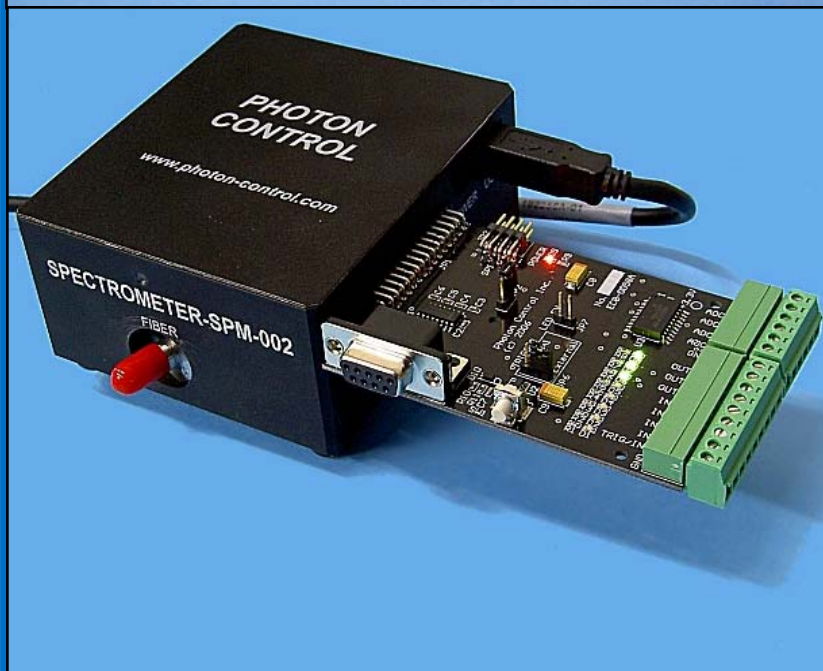
The reflectance probe can be used for such applications as reflectivity, color and thin film thickness measurements.

It works well when combined with a Photon Control spectrometer, light source and SpecSoft software, as an integrated measurement solution.

Model: SPA-RP

### Additional Accessories

Description	Model
White Reference Standard	SPA-WREF-1
Reflectance Probe Holder	SPA-RP-HOLD-1



### Breakout Board

The breakout board allows the user to conveniently access additional features of the Photon Control spectrometers. The breakout board plugs into the spectrometer through its 30 pin interface connector. This allows the user to access 4 analog inputs, 3 digital outputs and 4 digital inputs through convenient screw terminals. As well, the external trigger input can be accessed from these same terminals, or through a button for manual trigger operation.

This breakout board can be used as an integrated solution with a Photon Control spectrometer, SpecSoft software, and/or one of our software development kits.

Model: SPA-BREAKOUT-1

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ISO 9001:2000



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DMK-0025A-A  
09-FEB-2007  
ERO-768



## Light Collectors

The light collectors can be used for both collimating light output through an optical fiber, or collecting light for input into a Photon Control spectrometer.

They are available for either SMA or FC optical fibers patchcords.

### Description

Light Collector, UV/VIS/IR, SMA  
Light Collector, UV/VIS/IR, FC

### Model

SPA-COL-UVI-SMA  
SPA-COL-UVI-FC



## Optical Fiber Patchcords

Photon Control has a number of patchcords for spectroscopy applications. These include a variety of core diameter and fibers for either UV/Vis or Vis/NIR applications.

Please see the table below for a list of standard products. Custom patchcords are also available.

### Description

Fiber Optic Patchcord, SMA 905 Connector, 62.5 micrometer core, VIS/NIR, 2m  
Fiber Optic Patchcord, SMA 905 Connector, 100 micrometer core, VIS/NIR, 2m  
Fiber Optic Patchcord, SMA 905 Connector, 200 micrometer core, VIS/NIR, 2m  
Fiber Optic Patchcord, SMA 905 Connector, 400 micrometer core, VIS/NIR, 2m  
Fiber Optic Patchcord, SMA 905 Connector, 100 micrometer core, UV/VIS, 2m  
Fiber Optic Patchcord, SMA 905 Connector, 200 micrometer core, UV/VIS, 2m  
Fiber Optic Patchcord, SMA 905 Connector, 400 micrometer core, UV/VIS, 2m  
Fiber Optic Patchcord, FC Connector, 62.5 micrometer core, VIS/NIR, 2m  
Fiber Optic Patchcord, FC Connector, 100 micrometer core, VIS/NIR, 2m  
Fiber Optic Patchcord, FC Connector, 200 micrometer core, VIS/NIR, 2m  
Fiber Optic Patchcord, FC Connector, 400 micrometer core, VIS/NIR, 2m  
Fiber Optic Patchcord, FC Connector, 100 micrometer core, UV/VIS, 2m  
Fiber Optic Patchcord, FC Connector, 200 micrometer core, UV/VIS, 2m  
Fiber Optic Patchcord, FC Connector, 400 micrometer core, UV/VIS, 2m  
Fiber Optic Patchcord, FC Connector, SMF 28 fiber, VIS/NIR, 2m

### Model

CWA-SMA-62-V-2  
CWA-SMA-100-V-2  
CWA-SMA-200-V-2  
CWA-SMA-400-V-2  
CWA-SMA-100-U-2  
CWA-SMA-200-U-2  
CWA-SMA-400-U-2  
CWA-FC-62-V-2  
CWA-FC-100-V-2  
CWA-FC-200-V-2  
CWA-FC-400-V-2  
CWA-FC-100-U-2  
CWA-FC-200-U-2  
CWA-FC-400-U-2  
CWA-FC-SMF-V-2

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