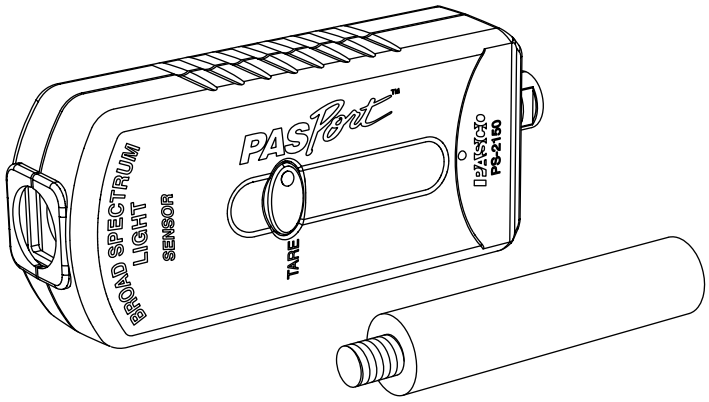
Broad Spectrum Light Sensor

PS-2150



Included Equipment	Part Number
Broad Spectrum Light Sensor	PS-2150
Sensor Handle (1 included)	CI-9874 (4-pack)
PASPORT Sensor Extension Cable (not pictured)	PS-2500
Additional Equipment Required	
PASPORT interface or datalogger	See PASCO catalog or www.pasco.com
Educational Spectrophotometer System	OS-8539
Prism Spectrophotometer Kit	OS-8544
Other equipment required for use with OS-8544 kit	See PASCO catalog or www.pasco.com

Quick Start

1. Connect the Broad Spectrum Light Sensor to your PASPORT interface.
2. If you are using a computer, connect the interface to it and start DataStudio.
3. Press or click the start button to begin recording data.

Introduction

The Broad Spectrum Light Sensor is designed for use with the PASCO OS-8539 Educational Spectrophotometer System and OS-8544 Prism Spectrophotometer Kit. The Broad Spectrum Light Sensor has a spectral response ranging from near infrared through visible light.

Assembly

1. Follow the instruction provided with the OS-8544 kit to assemble the spectrophotometer.
2. Use the metal handle (included with the spectrophotometer) to attach the Broad Spectrum Light Sensor to the arm of the spectrophotometer.

Note: Use the metal handle included with the spectrophotometer (not the plastic handle included with the sensor) in order to electrically ground the sensor.

3. Connect the PASPORT extension cable (included) to the sensor.
4. Connect the other end of the PASPORT extension cable to your PASPORT interface.

Zeroing the Sensor

Press the TARE button on the sensor to set the present reading to zero. During this step, the sensor must connected to a powered-on interface, but it is not necessary to be recording data.

Using the Sensor with the Prism Spectrophotometer

Follow the instructions provided with the OS-8544 kit to acquire data with the spectrophotometer.

Tip: Product instruction manuals are available at www.pasco.com.

Specifications

Sensing Element	BaF_2 window, xenon gas-filled thermopile
Spectral Response	300 nm to 10000 nm
Maximum Sampling Rate	100 Hz

Technical Support

For assistance with any PASCO product, contact PASCO at:

Address: PASCO scientific
10101 Foothills Blvd.
Roseville, CA 95747-7100

Phone: 916-786-3800 (worldwide)
800-772-8700 (U.S.)

Fax: (916) 786-7565

Web: www.pasco.com

Email: support@pasco.com

Limited Warranty For a description of the product warranty, see the PASCO catalog.

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