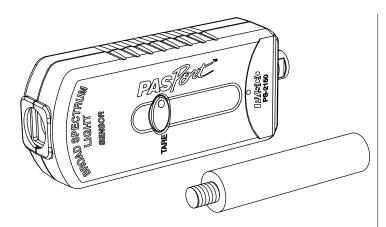


# **Broad Spectrum Light Sensor**

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.
- 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 <sub>2</sub> 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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