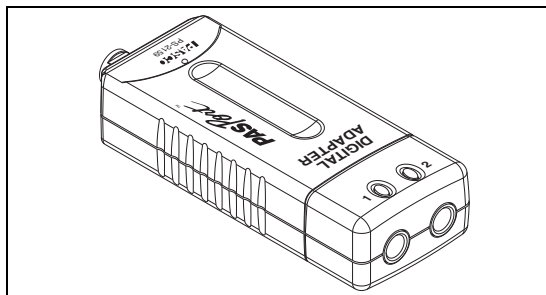


# Digital Adapter

PS-2159



## Introduction

The PS-2159 Digital Adapter allows a digital sensor with a Tip-Ring-Sleeve type plug to be used with a PASCO PASPORT-compatible interface. Multiple Digital Adapters can be used simultaneously to support multiple ScienceWorkshop sensors.

## Equipment Included

Item	Part Number
Digital Adapter	PS-2159

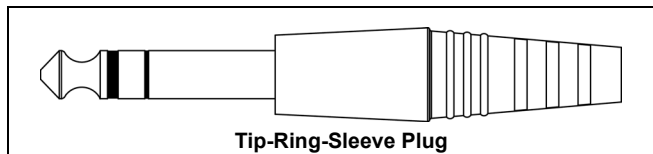
## Required

Item*
PASCO PASPORT-Compatible Interface
PASCO Data Collection Software

(\*See the PASCO web site at [www.pasco.com](http://www.pasco.com) for information about interfaces and software.)

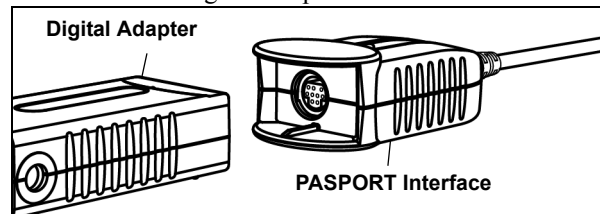
## Single-connector Digital Sensors

Follow these steps to connect one or two Photogates, Laser Switches, nuclear sensors, and other switch- or counting-type sensors that have a single ¼-inch stereo phono plug as shown in the illustration.



*The first three steps can be performed in any order.*

1. Connect one or two digital sensors to the Digital Adapter.
2. Connect the Digital Adapter to a PASPORT interface.



3. Connect the PASPORT interface to a computer.
4. Start the PASCO data collection software.

For information on selecting and configuring a PASPORT digital sensor, such as a Photogate, refer to the Online Help System and User's Guide for the data collection software.

## Double-connector Digital Sensors

Follow these steps to connect a ScienceWorkshop Motion Sensor (CI-6742) or Rotary Motion Sensor (CI-6538).

*The first three steps can be performed in any order.*

1. Connect the yellow plug of the sensor to port 1 of the Digital Adapter. Connect the black plug of the sensor to port 2 of the Digital Adapter.
2. Connect the Digital Adapter to a PASPORT interface.
3. Connected the PASPORT interface to a computer.

4. Start the PASCO data collection Software.

For information on selecting and configuring a PASPORT digital sensor, such as a Motion Sensor, refer to the Online Help System and User's Guide for the data collection software.

## Specifications

<b>Channels</b>	Two identical TTL compatible channels
<b>Connectors</b>	¼-inch stereo phone plug
<b>Timing resolution for counting and timing</b>	2 $\mu$ s
<b>Timing resolution for motion sensing</b>	1 $\mu$ s

## Technical Support

Before calling PASCO Technical Support, please have the apparatus, this user's guide, and the following information available:

- Product name, model number, and serial number.
- Approximate age of the apparatus.
- Detailed description of the problem or sequence of events required to duplicate the problem.

For assistance with any PASCO product, contact PASCO at:

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

Phone: 916-462-8384 (worldwide)  
877-373-0300 (U.S.)

Web: [www.pasco.com](http://www.pasco.com)

Email: [support@pasco.com](mailto:support@pasco.com)

### Limited Warranty

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

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### Product End of Life Disposal Instructions:

This electronic product is subject to disposal and recycling regulations that vary by country and region. It is your responsibility to recycle your electronic equipment per your local environmental laws and regulations to ensure that it will be recycled in a manner that protects human health and the environment. To find out where you can drop off your waste equipment for recycling, please contact your local waste recycle/disposal service, or the place where you purchased the product.

The European Union WEEE (Waste Electronic and Electrical Equipment) symbol (to the right) and on the product or its packaging indicates that this product must not be disposed of in a standard waste container.

