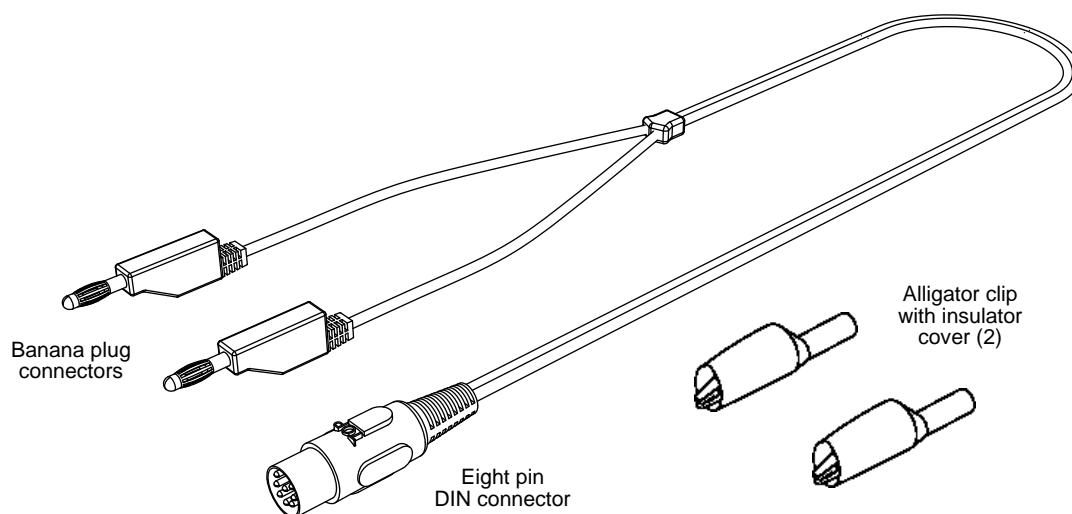




Voltage Probe

UI-5100



| Included Equipment | Part Number |
|--|---------------------|
| Voltage Probe | UI-5100 |
| Alligator Clip with Insulator Cover (one red; one black) | |
| Recommended Items | Part Number |
| PASCO 850 Universal Interface | UI-5000 |
| PASCO Capstone Software | UI-5400 or UI-5401* |
| Optional Item | Part Number |
| Extension Cable (eight pin DIN male-to-eight pin DIN female) | UI-5218 |

Introduction

The PASCO UI-5100 Voltage Probe is designed to work with the PASCO 850 Universal Interface. The 1.2 meter (m) cable has an eight pin DIN plug at one end and two stackable banana plugs at the other end. The cable comes with two alligator clips with insulator covers. The alligator clips fit on the banana plugs. Students can measure voltage using a Voltage Probe and a compatible PASCO interface such as the 850 Universal Interface with PASCO data acquisition software such as PASCO Capstone. With a PASCO PS-2158 Analog Adapter*, the Voltage Probe could also be used with the SPARK Science Learning System* or a data logger such as the Xplorer GLX*.

*See the PASCO catalog or web site at www.pasco.com for more information.

About the Voltage Probe

The PASCO UI-5100 Voltage Probe connects to an eight pin DIN jack such as the ANALOG INPUT ports on the 850 Universal Interface. The Voltage Probe has a built in automatic identification (“auto ID”) chip. When connected to the 850 Universal Interface, the PASCO Capstone software automatically determines that the probe has been plugged in.

Note that the small indent on one side of the metal part of the DIN plug should face up when the probe is plugged into the interface. The Voltage Probe measures direct current (DC) or alternating current (AC).



WARNING: The Voltage Probe is not designed to measure line voltage. Do not connect *any* PASCO probe or sensor into a wall socket. Line voltage such as 100 to 240 volts will damage the Voltage Probe and the interface.



The UI-5218 Extension Cable is 1.8 meters long with an eight pin male DIN plug at one end and an eight pin female DIN plug at the other end. Use one to extend the distance that the Voltage Probe can reach.

Voltage Probe Setup

1. Connect the Voltage Probe to a compatible PASCO interface.
2. If you will be using a computer, connect the interface to the computer’s USB port.

For information on setting up the data acquisition software and recording data, refer to the User’s Guide for the interface and software.

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.)

Web: www.pasco.com

Email: support@pasco.com

Limited Warranty For a description of the product warranty, see the PASCO catalog. **Copyright** The PASCO scientific 012-13613A *Voltage Probe Instruction Sheet* is copyrighted with all rights reserved. Permission is granted to non-profit educational institutions for reproduction of any part of this manual, providing the reproductions are used only in their laboratories and classrooms, and are not sold for profit. Reproduction under any other circumstances, without the written consent of PASCO scientific, is prohibited. **Trademarks** PASCO, PASCO Capstone, SPARK SLS, and Xplorer GLX are trademarks or registered trademarks of PASCO scientific, in the United States and/or in other countries. For more information visit www.pasco.com/legal.

For information about the Voltage Probe and the latest version of this Instruction Sheet, visit the PASCO web site at www.pasco.com and enter UI-5100 in the Search window.

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.

