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Engineering Note

Topic: USB-ADP-PC Serial Adapter

Products Affected: HR2000, USB2000

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Description

The USB-ADP-PC serial adapter is to be used with either the USB2000 or the HR2000 spectrometer when interfacing with PCs.

Figure 1: USB-CBL-PS 5-volt power supply, DB9 cable, USB-ADP-PC adapter, jackscrew, and spectrometer

Installation

► *Procedure*

To install the USB-ADP-PC adapter, refer to Figure 2 and use the following procedure:

1. Plug the connector (10 pin) into the spectrometer (right 10 pins on the HR2000).

2. Secure the connector in place with enclosed jackscrew.

3. Using the serial port DB9 cable, connect the USB 2000 or the HR2000 spectrometer to a PC. A USB-CBL-PS 5-volt power supply is required to complete the interface.

Figure 2: USB-CBL-PS 5-volt power supply and DB9 cable connected to USB2000 (shown) or HR2000 spectrometer using the USB-ADP-PC adapter

Pinouts

USB-ADP-PC DB9 Pin Out

Pin 2	RS232 Tx
Pin 3	RS232 Rx
Pin 5	Gnd
Pin 8	ExtTrigIn
Pin 9	AnalogOut