

# Engineering Note

Topic: USB-ADP-PX2 Serial Adapter

Products Affected: HR2000, USB2000, PX-2 Pulsed Xenon Light Source

Date Issued: 07/08/2002

## Description

The USB-ADP-PX2 Serial Adapter is used with either the USB2000 or the HR2000 Spectrometer when connecting the spectrometer to an Ocean Optics PX-2 Pulsed Xenon Light Source.



## Installation

### ► Procedure

1. Install the USB-ADP-PX2 Serial Adapter by plugging it into the 10-pin connector on the USB2000 Spectrometer. For the HR2000 Spectrometer, which has a 20-pin connector, use pins numbered 1-10 (see the diagram below):

|    |    |    |    |    |    |   |   |   |   |
|----|----|----|----|----|----|---|---|---|---|
| 20 | 18 | 16 | 14 | 12 | 10 | 8 | 6 | 4 | 2 |
| 19 | 17 | 15 | 13 | 11 | 9  | 7 | 5 | 3 | 1 |

When facing the 20-pin Connector on the HR2000, pins 1-10 are on the right.

**USB-ADP-PX2 Serial Adapter Engineering Note**

2. Secure the USB-ADP-PX2 Serial Adapter in place with the included jackscrew.
3. Use the DB15 cable that came with your PX-2 Pulsed Xenon Light Source to connect from the PX-2 to the USB-ADP-PX2 Serial Adapter on the spectrometer.



**USB2000 Spectrometer with the USB-ADP-PX2 and the PX-2 DB15 Cable**



**HR2000 Spectrometer with the USB-ADP-PX2 and the PX-2 DB15 Cable**

# Pinouts

**USB-ADP-PX2 DB15 Pin Outs**

|        |                   |
|--------|-------------------|
| Pin 1  | Single Strobe     |
| Pin 2  | Continuous Strobe |
| Pin 3  | +5V               |
| Pin 10 | Gnd               |
| Pin 13 | Lamp Enable       |