830 Douglas Ave. Dunedin, FL 34698 (727)733-2447 Fax:(727)733-3962 www.0ceanOptics.com





Engineering Note

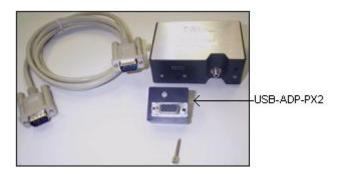
Topic: USB-ADP-PX2 Serial Adapter

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.

173-00000-15PNF-04-0705



- 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			

2 173-00000-15PNF-04-0705