



## PX-2

\$982.00

Pulsed Xenon Light Source

This product requires 1x of item USB-ADP-PX2 and will automatically be added to your cart.

Availability: Ships in 1 week

1 Add to cart

Item Code: PX-2

The PX-2 Pulsed Xenon Lamp is a high flash rate, short-arc xenon lamp for the ultraviolet (UV). With an output from 220-750 nm, it is ideal for absorbance and reflection measurements. Because of the shorter duty cycle the PX-2 is also useful for fluorescence and phosphorescence measurements.

The PX-2 operates at speeds up to 220 Hz, offers excellent pulse-to-pulse stability. It can be triggered by an external TTL pulse and offers software control of the flash rate.

The spectrometer sampling can be altered so that a variable number of flashes are observed during each integration period. In the Single Mode of PX-2 operation, a single flash occurs during each integration period so you can easily synchronize operation of both the xenon lamp and detector. In Multiple Mode a steady, consistent light exposure is provided for each integration period ensuring reliable absorbance and reflection measurements.

The PX-2 has an SMA 905 output connector and seamlessly integrates with Ocean Optics miniature fiber optic spectrometers and accessories, including optical fibers, cuvette holders, probes and other sampling optics.

### PRODUCT DETAILS

### SPECIFICATIONS

Engineering Specifications

PX-2

Source:	Pulsed Xenon
Wavelength range:	220-750 nm
Color temperature:	N/A (non-blackbody output)
Pulse power:	45 microjoules/pulse (maximum)
Average output power:	9.9 Watts
Pulse rate:	220 Hz (maximum)
Pulse duration:	5 $\mu$ s (at 1/3 height of pulse)
Pulse rate:	Multiple mode: up to 220 Hz Single mode: 1 – 220 Hz
Warm-up time:*	None
Source lifetime:	10 <sup>9</sup> pulses (estimated 230 days continuous operation @ 50 Hz pulse rate)
Trigger/shutter input signal:	TTL; 1-220 Hz
Trigger/shutter connection:	SUB-D-15 pin
Power consumption:	1.3 A @ 11V @ 220 Hz 100 mA @ 12V @ 10Hz
Dimensions:	14 cm x 10.5 cm x 4 cm
Weight:	0.4 kg

\* Warm-up time @23 °C ambient, free airflow, no vibrations

DOWNLOADS

APPLICATION NOTES

MEASUREMENT TECHNIQUES

RELATED PRODUCTS

SPECTRAL OUTPUT GRAPH

FAQ (FREQUENTLY ASKED QUESTIONS)