

Products



Optiprex PLS

RELATED PRODUCTS:

- Diacell® Bragg Series
- Diacell® CryoDAC Series
- Diacell® HeliosDAC
- Diacell® LeverDAC Series
- Diacell® OmniDAC Series
- Diacell® LeverDAC Series
- Diacell® μScopeDAC Series
- Optiprex Ruby Lux

RELATED ACCESSORIES:

- Ruby Powder and Spheres

Optiprex PLS

Advanced photoluminescence system aimed at ultra-high pressure ruby manometry.

- ▶ The Optiprex PLS is a stand-alone desktop turnkey system for performing ruby photoluminescence measurements, the method of choice for determining the in-situ pressure in diamond anvil cells.
- ▶ The system provides accuracy of +/- 0.1GPa or better on ruby fluorescence pressure determination.
- ▶ Included in the Optiprex PLS are the laser, transfer optics, spectrometer, optical observation (microscope) and xyz positioning stages and data acquisition software.
- ▶ The software enables full spectrometer control, data acquisition and manual or automatic pressure determination. It connects to a computer (not included) running Windows®.
- ▶ The Optiprex PLS is easy to use and has very small footprint. An optional CMOS camera is available.

Technical Specifications:

Laser Wavelength	532 nm (green) or 450 nm (blue)
Laser Power	20 mW (green) or 40 mW (blue)
Laser Focusing Objective WD	25 mm as standard
Spectrometer	Ocean Optics
Software	Windows compatible (32-64 bit)
Observing Eyepiece / Lighting	X20 magnification / internal LED
Options	Laser safety interlock
	CCD camera (USB)

Specifications subject to change without prior notice.

easyLab and Diacell are registered trademarks of Almax easyLab Ltd.

www.almax-easyLab.com



For US, Canada and Latin America
Almax easyLab Inc.
485 Massachusetts Avenue
Suite 300
Cambridge, MA 02139-4018
USA
Ph: +1 857 445 0045

For Europe, Middle East and Africa
Almax easyLab bvba
Wagenmakerijstraat 5
8600 Diksmuide

Belgium
Ph: + 32 51 55 56 37

For Asia and Oceania
Almax easyLab Ltd
Science and Technology Centre
University of Reading
Whiteknights Road
Reading, RG6 6BZ, UK
Ph: +44 (0)118 935 7272

