



Products



Optiprex PLS

RELATED PRODUCTS:

- Bohler μ Driller
- Optiprex Ruby Lux
- Diacell® Diamond Anvil Cells (DACs)
- Diacell® iGM/GM Controller

RELATED ACCESSORIES:

- Ruby Powder
- Optiprex PLS - Camera
- Optiprex PLS - Variable V Block for DACs

Optiprex PLS

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

- ◆ The Optiprex PLS is a turnkey system that performs ruby photoluminescence measurements enabling the determination of the in-situ pressure in diamond anvil cells;
- ◆ The system can provide an accuracy of ± 0.1 GPa 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 (High Pressure Manager);
- ◆ High Pressure Manager (HPM): A Labview®-based program designed by Almax-easyLab with real time pressure determination;
- ◆ The Optiprex PLS is easy to use and has a very small footprint. An optional CMOS camera is available.

Technical Specifications:

Laser Wavelength	532 nm (green) or 450 nm (blue)
Laser Power (Nominal)	50 mW (green) or 40mW (blue)
Laser Focusing Objective WD	22mm as standard
Spectrometer	Ocean Optics HR4000
Software	Windows compatible (64 bit)
Observing Eyepiece / Lighting	X20 magnification / Internal LED
Options	Laser Safety Interlock
	CCD Camera (USB)

Specifications subject to change without prior notice.
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