

Almax·easyLab
science under pressure

Products



Optiprexx RubyLUX

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Compact and advanced photoluminescence system aimed at ultra-high pressure ruby manometry.

- The Optiprexx RubyLUX is a turnkey system that performs ruby photoluminescence measurements enabling the determination of the in-situ pressure in diamond anvil cells;
- The system is designed in such a way as to be used as stand alone or as part of a microscope;
- The system can provide an accuracy of +- 0.1 GPa or better on ruby fluorescence pressure determination;
- Included are the laser, transfer optics, spectrometer and data acquisition software (High Pressure Manager);
- High Pressure Manager (HPM): A Labview®-based program designed by Almax easyLab with real time pressure determination.

RELATED PRODUCTS:

- Boehler µDriller
- uDrill Pro
- Optiprexx PLS
- Diacell® Diamond Anvil Cells (DACs)
- Diacell® GM/iGM Controller
- Low Temperature Systems

RELATED ACCESSORIES:

- Ruby Powder
- Motorized Stages + Breadboard
- Compact breadboard, stage and LED
- High Sensitivity Option: Ruby Lux *Flux*

Technical Specifications:

Laser Wavelength	532 nm (green) or 450 nm (blue)
Laser Power (Nominal)	50 mW (green) or 40mW (blue)
Laser Focus Objective WD	With objective: 64.2mm | Through microscope optics
Spectrometer	Ocean Optics HR4000
Software	Windows compatible (64 bit)
Observing Eyepiece	None - visualisation via CCD camera
Sample Lighting	Internal LED
Laser Interlock	Not available

Specifications subject to change without prior notice.
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