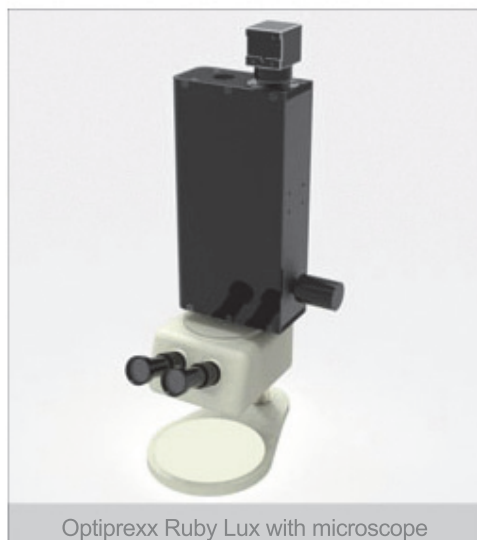


## Products



Optiprex Ruby Lux with microscope

### 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 Ruby Lux

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

- ▶ The Optiprex Ruby Lux is a stand-alone turnkey system for performing ruby photoluminescence measurements, the method of choice for determining 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 (as shown).
- ▶ The Ruby Lux provides accuracy of +/- 0.1GPa or better on ruby fluorescence pressure determination.
- ▶ Included are the laser, transfer optics, spectrometer 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®.

### Technical Specifications:

|                             |                                     |
|-----------------------------|-------------------------------------|
| Laser Wavelength            | 532 nm (green) or 450 nm (blue)     |
| Laser Power                 | 50 mW (green) or 40 mW (blue)       |
| Laser Focusing Objective WD | Through microscope optics           |
| Spectrometer                | Ocean Optics                        |
| Software                    | Windows compatible (32-64 bit)      |
| Observing Eyepiece          | None - visualisation via CCD camera |
| Sample Lighting             | From microscope only                |
| Laser Interlock             | Not available                       |

Specifications subject to change without prior notice.  
easyLab and Diacell are registered trademarks of Almax easyLab Ltd.

[www.almax-easyLab.com](http://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



THE BRITISH  
ASSESSMENT  
BUREAU  
**ISO 9001**  
Certification No. 180384