

Products



Diacell® CryoDAC-LT

RELATED PRODUCTS:

- Diacell® CF-DAC System
- Bohler microDriller
- Diacell® CryoDAC-Tesla
- Diacell® CryoDAC-PPMS
- Optiprex PLS
- Diamond Anvils

RELATED ACCESSORIES:

- Gasket Blanks
- Ruby Powder and spheres
- Support Plates

Diacell® CryoDAC-LT

Miniature diamond anvil cell for low temperature applications. Part of the Diacell® CryoDAC Series.

- ▶ The Diacell® CryoDAC-LT is specifically designed for optical studies at high pressures and low temperatures in top loading cryostats, such as the Diacell® CF cryostat.
- ▶ The cell is driven by a hydraulic ram (included) located outside the cryostat. Thus, the pressure in the sample can be adjusted whilst at low temperatures.
- ▶ A unique feature of the Diacell® CryoDAC-LT is that the load is applied to the top and bottom plates, which bear directly on the diamond anvils.
- ▶ Maximum pressures of up to above 20 GPa are easily obtained.
- ▶ This cell is suitable for Raman or any other optical work at low temperatures. Provisions have also been made to enable electrical measurements by making use of side ports.

Technical Specifications:

Cell Material	Beryllium Copper Alloy
Anvil Seat (support plate)	Beryllium Copper Alloy
Pressure Mechanism	Screw Drive / Hydraulic Ram
Top Angle	16° along vertical axis
Bottom Angle	44° along vertical axis
DAC Diameter	19 mm
DAC Height	27 mm
Working Distance to Sample	8 mm

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

