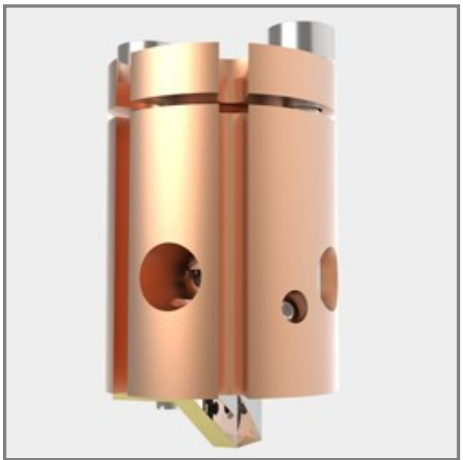


Almax·easyLab
science under pressure

Products



Diacell® CryoDAC-LT

Diacell® CryoDAC-LT

Miniature diamond anvil cell for low temperature applications.

Part of Diacell® CryoDAC Series.

- The Diacell® CryoDAC-LT is specifically designed for optical studies at high pressure and low temperature 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. See CryoDAC-LT Insert for more details;
- 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 and electrical connector on the insert.

RELATED PRODUCTS:

- Diacell® CryoDAC-Tesla
- Diacell® CryoDAC-Mega
- Diacell® CF-DAC System
- Optiprexx Ruby Line
- Boehler µDriller

RELATED ACCESSORIES:

- Diacell® Design 2.5 mm Anvils
- BeCu Anvils Rings
- BeCu 5 mm Gasket Blanks
- Ruby Powder
- Gasket Indenter

Technical Specifications:

Cell Material	Beryllium Copper Alloy
Anvil Support Plate	Beryllium Copper Alloy
Pressure mechanism	Screw Drive / Hydraulic Ram
Maximum pressure	20 GPa
Top / Bottom angle	17° / 40° along vertical axis
DAC Diameter / Height	19 mm / 35 mm
Working Distance to Sample	11.5 mm
Numerical aperture	0.34

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

www.almax-easyLab.com

Almax easyLab bv
Wagenmakerijstraat 5
8600 Diksmuide
Belgium
Ph: +32 51 55 56 37

Almax easyLab Inc
Harvard Square -1, Mifflin Place
Cambridge, MA 02138,
United States of America
Ph: + 1 617 701 7245

© Almax easyLab 2025
All rights reserved
Ref: ML13_11 Rev 3