

Products



Diacell® CryoDAC-Tesla

RELATED PRODUCTS:

- Diacell® CCS-DAC System
- Bohler microDriller
- Diacell® CryoDAC-ST
- Diacell® CryoDAC-PPMS
- Optiprex PLS
- Diamond Anvils

RELATED ACCESSORIES:

- Gasket Blanks
- Ruby Powder and Spheres
- Support Plates

Diacell® CryoDAC-Tesla

Diamond anvil cell for low temperature and high magnetic field optical measurements.
Part of the Diacell® CryoDAC Series.

- ▶ The Diacell® CryoDAC-Tesla has a very small core in the form of a cube with 11.5 mm sides, providing optical apertures in the horizontal plane.
- ▶ Pressure is applied by clamping the core between two hemicylinders with a combination of left and right hand bolts.
- ▶ The Diacell® CryoDAC-Tesla is ideal for optical measurements at low temperatures and high magnetic fields or any other environment where space is at a premium.
- ▶ The cell uses small specially designed diamond anvils with 2.00 mm girdle diameter.
- ▶ Maximum pressures of up to above 20 GPa may be obtained with the Diacell® CryoDAC-Tesla.

Technical Specifications:

Cell Material	Beryllium Copper Alloy
Anvil Seat (support plate)	Beryllium Copper Alloy
Pressure Mechanism	Screw Drive
Top Angle	25° Conical
Bottom Angle	25° Conical
DAC Diameter	24 mm
DAC Height	47 mm
Working Distance to Sample	12 mm

Specifications subject to change without prior notice.
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