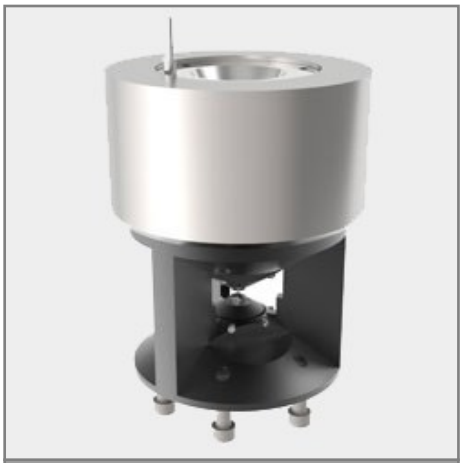


Almax·easyLab
science under pressure

Products



Diacell® PanoramicDAC

Diacell® PanoramicDAC

Diamond anvil cell (DAC) for Brillouin, NRIXS, NFS and other experimental techniques.

- The Diacell® PanoramicDAC is suitable for many applications such as Mossbauer, Raman, Brillouin spectroscopies, nuclear resonant inelastic X-ray scattering (NRIXS), nuclear forward scattering (NFS) techniques;
- The cell enables measurements both via its three large azimuthal openings (through gasket) or the conventional axial conical apertures (through diamond anvils);
- The 3 side ports on the Diacell® PanoramicDAC have openings of 105° (azimuthal) by 67° (axial);
- In the Diacell® PanoramicDAC, high pressures are generated by Almax easyLab proprietary gas membrane, although it can also be operated manually via a set of clamping screws;
- Maximum pressure of up to above 100 GPa may be obtained with the Diacell® PanoramicDAC.

RELATED PRODUCTS:

- Diacell® Bragg- (G)
- Boehler Almax PlateDAC
- Boehler µDriller
- uDrill Pro
- Diacell® iGM Controller
- Optiprexx Ruby Line
- Boehler-Almax Design 3.3 mm Anvils

RELATED ACCESSORIES:

- Ruby Powder
- Anvil Support Plates
- Gasket Indenter
- Gas Membrane
- Diacell® easyGlue
- Diacell® Horizon

Technical Specifications:

Cell Material	Maraging steel
Anvil Support Plate	Tungsten carbide
Pressure Mechanism/ Maximum Pressure	Gas membrane or screws / >100 GPa
Top/Bottom Angles	18° Conical, 62° Conical
Azimuthal Ports (3)	105° (azimuthal) by 67° (axial)
DAC Diameter / Height	59 mm / 76 mm
Working Distance to Sample	19 mm
Numerical Aperture	0.50

Specifications subject to change without prior notice.
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