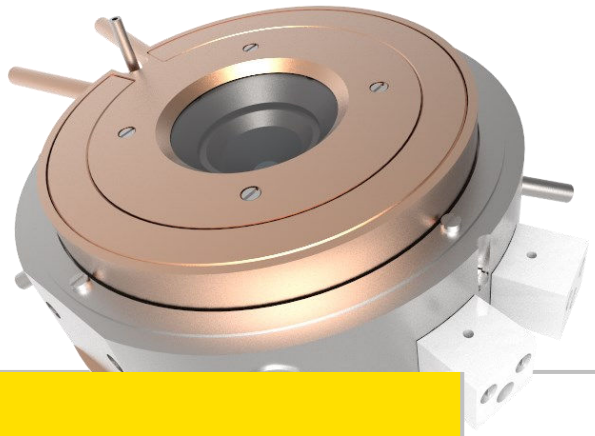
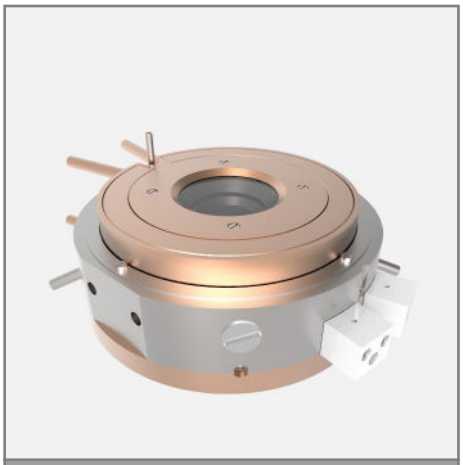


Almax·easyLab
science under pressure

Products



Diacell® µScopeDAC-HT(G) *Plus*

Diacell® µScopeDAC-HT(G) *Plus*

Gas membrane diamond anvil cell for high-temperature micro spectroscopy studies.

Part of the Diacell®µScopeDAC series.

- The Diacell®µScopeDAC-HT(G) *Plus* is fitted with asymmetrical Boehler-Almax diamond anvils design which enable a dual large aperture for X-ray and optical measurements;
- Fitted with type IIas ultra-low fluorescence & ultra-low birefringence diamond anvils the cell is ideal for Infrared and Raman microscopic sample analysis;
- The Diacell®µScopeDAC-HT(G) *Plus* is equipped with an internal compact gasket heater that enables research up to 600°C. Water cooling ports are also present;
- High pressure is generated by the original gas membrane driven design from Diacell®. This is particularly suitable for high-temperature operation as it is easy to compensate for any pressure change due to heating ;
- Maximum pressures of up to 50 GPa are obtained with the Diacell® µScopeDAC-HT(G) *Plus*.

RELATED PRODUCTS:

- Diacell® µScopeDAC-HT(S)
- Diacell® µScopeDAC-RT(G)
- Diacell® GM Controller
- Diacell® iGM Controller
- Optiprexx Ruby Line
- Boehler µDriller
- uDrill Pro

RELATED ACCESSORIES:

- Boehler-Almax Design 2.5 mm Anvils
- Boehler-Almax Design 4.2 mm Anvils
- Inconel 10 mm Gasket Blanks
- Gasket Heater
- Ruby Powder
- Support Plates
- Gasket Indenter
- Gas Membrane

Technical Specifications:

Cell Material	Stainless Steel AISI 400C
Anvil Support Plate	Tungsten Carbide
Pressure Mechanism	Gas Membrane
Maximum Pressure	50 GPa
Top/Bottom Angles	95 ° / 100° (Optical), 41° (X-ray)
DAC Diameter / Height	60 mm / 23 mm
Working Distance to Sample	12 mm
Numerical Aperture	0.74

Specifications subject to change without prior notice.
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