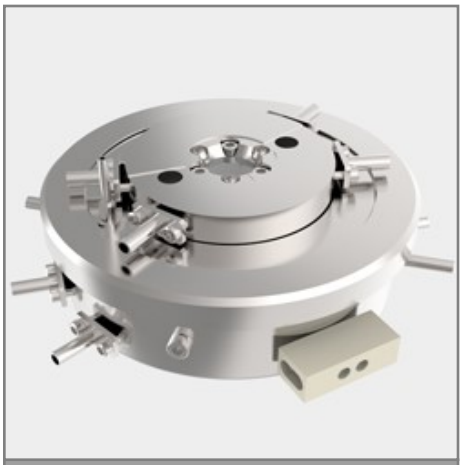
Almax·easyLab
science under pressure

Products



Diacell® µScopeDAC-HT(G)

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

Part of the Diacell®µScopeDAC series.

- The Diacell®µScopeDAC-HT(G) meets the need for very high pressures, compatibility with commercially available spectroscopic microscopes and high-temperatures;
- 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) is equipped with an internal compact gasket heater that enables research up to 600°C. Water cooling ports are also present;
- Being gas membrane driven, the pressure within the cell can be changed whilst the sample is mounted in the microscope stage;
- Maximum pressures of up to 50 GPa are obtained with the Diacell® µScopeDAC-HT(G).

RELATED PRODUCTS:

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

RELATED ACCESSORIES:

- Diacell® Design 2.5 mm Anvils
- Stainless Steel 2.5 mm Anvils Rings
- 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	51 ° Conical
DAC Diameter / Height	60 mm / 25 mm
Working Distance to Sample	12 mm
Numerical Aperture	0.44

Specifications subject to change without prior notice.
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www.almax-easyLab.com

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

Almax easyLab Inc (For US and Canada)
Harvard Square -1, Mifflin Place
Cambridge, MA 02138,
United States of America
Ph: + 1 617 701 7245

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