

Products



Diacell® μScopeDAC-RT(G)

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RELATED ACCESSORIES:

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Diacell® μScopeDAC-RT(G)

Gas membrane diamond anvil cell for microspectroscopy studies.

Part of the Diacell® μScopeDAC series.

- ▶ The Diacell® μScopeDAC-RT(G) meets the need for very high pressures, compatibility with commercially available spectroscopic microscopes.
- ▶ This cell is ideal for optical work in FTIR and Raman microscopes at and around room temperature.
- ▶ The Diacell® μScopeDAC-RT(G) is symmetrical in relation to the sample and 18mm thick, which means that the working distance is just 9mm.
- ▶ The μScopeDAC-HT(G) has a numerical aperture of 0.44.
- ▶ Being gas membrane driven means that pressure within the cell can be changed whilst the sample is mounted in the microscope stage, saving considerable time.
- ▶ Maximum pressures of up to above 50 GPa are obtained with the Diacell® μScopeDAC-RT(G).

Technical Specifications:

Cell Material	Stainless Steel AISI 440C
Anvil Seat (support plate)	Tungsten Carbide
Pressure Mechanism	Gas membrane
Top Angle	52° Conical
Bottom Angle	52° Conical
DAC Diameter	50 mm
DAC Height	18 mm
Working Distance to Sample	9 mm

Specifications subject to change without prior notice.
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