



Products



Diacell® CryoDAC-ST

RELATED PRODUCTS:

- Diacell® CryoDAC-LT
- Diacell® ST-DAC System
- Optiprex Ruby Line
- Bohler µDriller

RELATED ACCESSORIES:

- Diacell® Design 2.5 mm Anvils
- BeCu Anvils Rings
- BeCu 5 mm Gasket Blanks
- Ruby Powder
- Gasket Indenter

Diacell® CryoDAC-ST

Diamond anvil cell for low temperature micro-spectroscopy applications.

Part of the Diacell® CryoDAC Series.

- ◆ The Diacell® CryoDAC-ST has been engineered to fit seamlessly onto the sample holder of the Janis ST-500 Cryostat;
- ◆ The height of this DAC and the very short working distance ensure that the sample is located very close to the observing top window of the cryostat;
- ◆ The cell was originally designed for micro-Raman measurements, but it is also suitable for any other micro-spectroscopy techniques;
- ◆ The Diacell® ST-DAC System is the turn-key version including both CryoDAC-ST and the Janis ST-500 Cryostat;
- ◆ The Diacell® CryoDAC-ST has a numerical aperture of 0.44 and it enables electrical work via its side ports;
- ◆ Maximum pressures of up to above 30 GPa may be obtained with Diacell® CryoDAC-ST.

Technical Specifications:

Cell Material	Beryllium Copper Alloy
Anvil Support Plate	Beryllium Copper Alloy
Pressure Mechanism	Screw Drive
Maximum Pressure	30 GPa
Top/Bottom Angles	52° / 16° along vertical axis
DAC Diameter / Height	21 mm increasing to 32 mm / 34 mm
Working Distance to Sample	8.5 mm
Numerical Aperture	0.44

Specifications subject to change without prior notice.
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