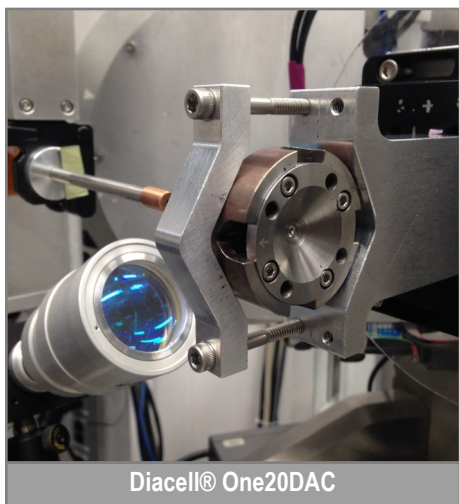




Products



Diacell® One20DAC

RELATED PRODUCTS:

- Diacell® Bragg Series
- Almax PlateDAC

RELATED ACCESSORIES:

- Ring Heater
- WC Seat
- Bohler Almax anvil 4mm
- Power Supply PS-03

Diacell® One20DAC

Very wide angle DAC for X-Ray Applications. Fitted with 4mm Bohler-Almax anvils mounted on conical WC seats.

Extra large aperture (120 degrees) - diamond anvil cell for X-Ray and optical Spectroscopy.

- ◆ Provides a physical angle of 120 degrees on both sides;
- ◆ Provides a large access to the reciprocal space whilst carrying out measurements under pressure;
- ◆ For optical spectroscopy, the One20DAC is particularly attractive for Brillouin spectroscopy with wide scattering angles;
- ◆ Very flat design providing a thickness of only 17 mm, short working distance of 10 and 7mm top and bottom side respectively;
- ◆ Pressure mechanism via 4 screws, two left handed and two right handed screws on a stack of loading springs to provide smooth control of the pressure;
- ◆ Possibility of internal heater (optional, $T_{max} = 250^{\circ}\text{C}$).

Technical Specifications:

Cell Material	Maraging Steel
Anvil Support Plate	Tungstern Carbide
Pressure Mechanism	Left hands - Right handed screws (+Springs)
Maximum pressure	50 GPa
Top/Bottom Angles	X-Ray: Conical 120 degrees
DAC Diameter/Height	48 mm/17 mm
Working Distance to Sample	10/7 mm (upper/lower side)
Numerical Aperture	0.87

Specifications subject to change without prior notice.
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