

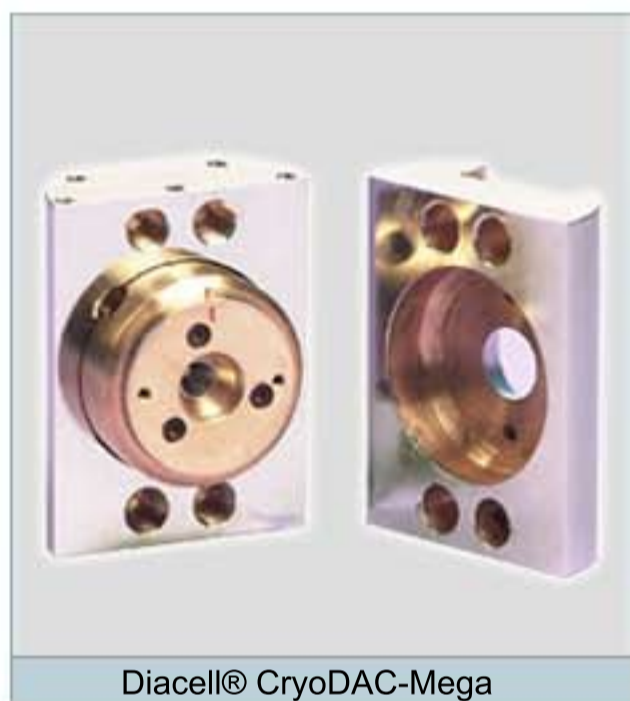
easyLab Technologies Ltd
Science & Technology Centre
University of Reading, Earley Gate
Whiteknights Rd, Reading, RG6 6BZ, UK

phone: +44 (0)118 935 7272
fax: +44 (0)118 935 7271
email: info@easyLab.co.uk

Sales: sales@easyLab.co.uk
Support: support@easyLab.co.uk

Science Under Pressure

products



Diacell® CryoDAC-Mega

RELATED PRODUCTS:

- Diacell® CryoDAC-LT
- Diacell® CryoDAC-Nitro
- Diacell® CryoDAC-PPMS
- Diacell® CryoDAC-ST
- Diacell® CryoDAC-Tesla
- Optiprex PLS

RELATED ACCESSORIES:

- Anvil Jigs
- Diamond Anvils
- Gasket Blanks
- Ruby powder
- Support Plates



Diacell® CryoDAC-Mega

Clamp Cell for Low Temperature Applications
Part of the Diacell® CryoDAC Series

[Formerly Diacell D-07]

► The Diacell® CryoDAC-Mega is a very versatile diamond anvil cell with a high numerical aperture.

► This cell is ideal for both optical and X-ray diffraction studies at cryogenic temperatures.

► The Diacell® CryoDAC-Mega is held within two CuBe blocks. One of these is fixed to the cryostat and accepts the cylindrical DAC. The second block fits over the DAC and is used to apply load to the cell by means of four bolts.

► The anvils are mounted within force-fitted BeCu rings, and mechanically fixed to their support plates, thereby avoiding use of unreliable epoxy resins or other adhesives.

► Maximum pressures of up to above 100 GPa are obtained.

Technical Specifications:

Cell Material	Beryllium Copper Alloy
Anvil Support Plate	Beryllium Copper Alloy
Pressure Mechanism	Screw-Drive
Top Angle	50° Conical
Bottom Angle	50° Conical
DAC Diameter	38 mm
DAC Height	53 mm
Working Dist. to Sample	12 mm
Numerical Aperture	0.86

Maximum pressure is dependent upon the culet size of the anvils.

easyLab is committed to its policy of continuous improvement.

Specifications may change without notice.

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