

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



RELATED PRODUCTS:

- Bohler microDriller
- easyLab® easyCell 30
- easyLab® Mcell 10
- easyLab® Pcell 15/30
- Optiprex PLS

RELATED ACCESSORIES:

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



easyLab® Mcell Ultra

Diamond Anvil Cell for Quantum Design's MPMS®

- ▶ Miniature diamond anvil cell specifically designed for use in commercial SQUID magnetometers.
- ▶ Optimised design and material selection: enables pressures of up to above 10 GPa (100 kbar) whilst keeping an optimum sample space.
- ▶ The complete solution: provides a convenient and trouble-free way to study magnetic properties under ultra high pressures.
- ▶ Includes diamond anvils and interfacing components to QD's MPMS®.
- ▶ Alignment of diamond anvils can be performed with the provision of tilt and translation adjustments.

Technical Specifications:

Cell Material	High-strength Beryllium Copper
Pressure Mechanism	Screw-drive
Maximum Pressure	>10 GPa
Measurements	AC Susc. & DC Magnetisation
Sensitivity	10^{-5} emu
Temperature Range	To Ultra-low Temperatures
DAC Diameter	8.5 mm
DAC Height	35 mm
Interfacing Solution	To MPMS probe
Weight	12 g

Specifications subject to change without prior notice.