

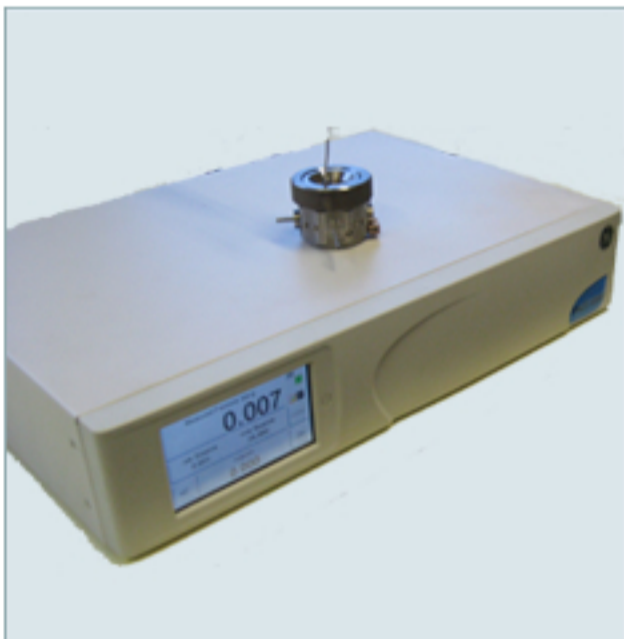
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Science Under Pressure

## products



Diacell® iGM Controller with HeliosDAC

### RELATED PRODUCTS:

- Diacell®  $\mu$ ScopeDAC-HT(G) and RT(G)
- Diacell® Bragg-(G) and Bragg-LT(G)
- Diacell® OmniDAC and OmniDAC-LT
- Diacell® VivoDAC
- Diacell® HeliosDAC

### RELATED ACCESSORIES:

- Diacell® Gas Membranes
- Diacell® GM Controller
- Diacell® Diamond Anvils
- Gasket Blanks
- Heaters
- Ruby Powder
- Support Plates



## Diacell® iGM Controller

Intelligent pneumatic pressure controller and indicator for gas membrane DACs.

► The Diacell® GM Controller employs fully digital control technology to provide stability and high slew rate when varying the gas pressure in the gas membranes of diamond anvil cells.

► It enables the selecting of gas pressure targets, minimum and maximum pressure limits, specific pressure variation slew rates as well as more complex pressure profiles.

► The Diacell® GM Controller is a truly automated gas membrane controller which is particularly suited to experiments where the gas pressure needs to be controlled actively over long period of times, such as beamlines.

► Connectivity via RS232, IEEE, Ethernet and USB ports as standard.

► Front panel digital touch screen (high resolution VGA).

### Technical Specifications:

Pressure Range	0-70, 0-100, 0-150, 0-210bar;
Over range	10% above full scale
Pressure Media	Dry, oil free, non-corrosive; Ar, He
Accuracy; Precision	Up to 0.005% Rdg + 0.005% FS
Accuracy; Stability	Control up to 0.003% FS
Weight	5 kg
Dimensions	440 mm x 88 mm x 320 mm
Connectivity	RS232, IEEE, Ethernet and USB

Specifications subject to change without prior notice.

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