



Products



Diacell® iGM Controller

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Diacell® iGM Controller

Intelligent pneumatic pressure controller and indicator for gas membrane diamond anvil cells (DAC).

- ◆ The Diacell® iGM Controller employs fully digital control technology to provide stability and high slew rate when varying the gas pressure in the gas membrane of DACs;
- ◆ It enables the selecting gas pressure targets, min and max pressure limits, specific pressure variation slew rates as well as more complex pressure profiles;
- ◆ The Diacell® iGM Controller is particularly suited to experiments where the gas pressure needs to be controlled actively over long periods of time or where accuracy and reproducibility are critical;
- ◆ The unit comes with RS232, IEEE, Ethernet, USB ports and front panel digital touch screen as standard.
- ◆ Option: low temperature gas membrane cells in addition require the GM Controller Relief Valve Option for safe operation;
- ◆ High Pressure Manager (HPM) software is also an option which allows the user to control the iGM via a computer interface.

Technical Specifications:

Pressure Range	0-70, 0-100, 0-150, 0-210 bar
Over Range	10% above full scale
Pressure Media	Dry, non- corrosive, oil free; He, Ar are best
Accuracy; Precision	Up to 0.02% Rdg; +0.02% FS
Accuracy; Stability	Control up to 0.005%FS
Weight	12.50 Kg
Dimensions	440mm x 88mm x 320mm
Connectivity	RS232, IEEE, Ethernet and USB as standard

Specifications subject to change without prior notice.
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