



instruments for advanced science



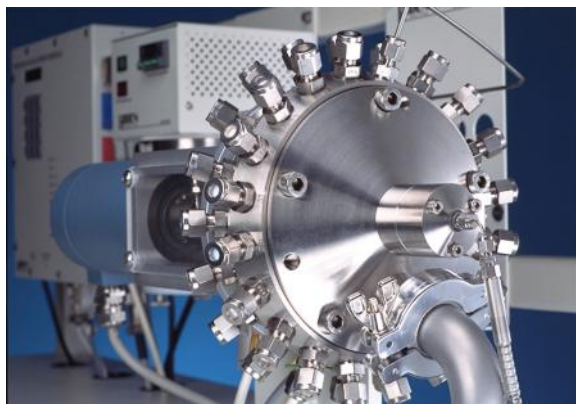
## Dissolved Gas Measurement With Membrane-Assisted MS

The Hiden HPR-40 family of membrane separator-assisted mass spectrometers continues to expand to meet the needs of new investigative and processing techniques requiring measurement of dissolved gases in aqueous solution. New additions include an adaptable cuvette-style sampling cell for measurement of photo-sensitive reaction products and an innovative electro-chemical cell for characterization of electro-catalytic activity.

The semi-permeable membrane provides an efficient water barrier yet preferentially transmits gaseous species, enabling real time mass spectrometric analysis of dissolved gases and vapors. Separators are available for in vivo immersion in active media, for static samples and for flow-through and recirculatory applications. Options include integrated media agitation, precise thermal regulation of the active sample and programmable multi-stream selection for multiple samples.



*Cuvette style cell with water cooling jacket*



*Hiden Biostream selector valve*

The compact mass spectrometer module is bench-top and cart-mounting compatible, with comprehensive control and data analysis programs for both automated and manual operation. Multiple sampling lines can be accommodated for sequential multi-media sampling, the QIC BioStream variant currently operating with up to 80 sample streams. A custom-design service is available to assist with interface design for specific R and D projects.

For further information on this or other Hiden Analytical products contact Hiden Analytical Inc. at [info@hideninc.com](mailto:info@hideninc.com) or visit the main website at [www.HidenInc.com](http://www.HidenInc.com)