

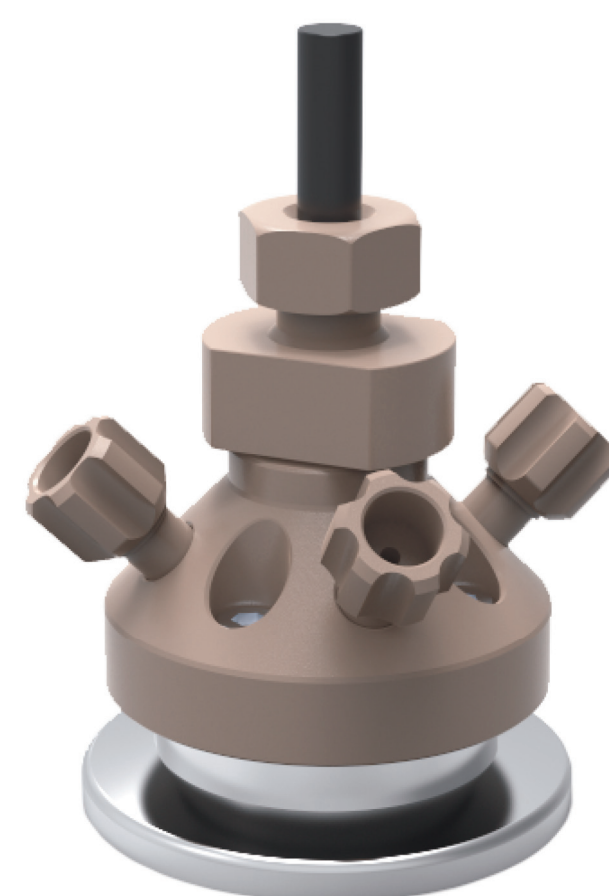


Differential Electrochemical Mass Spectrometry (DEMS)

Solutions for dissolved gas analysis and off-gas analysis in electrochemistry



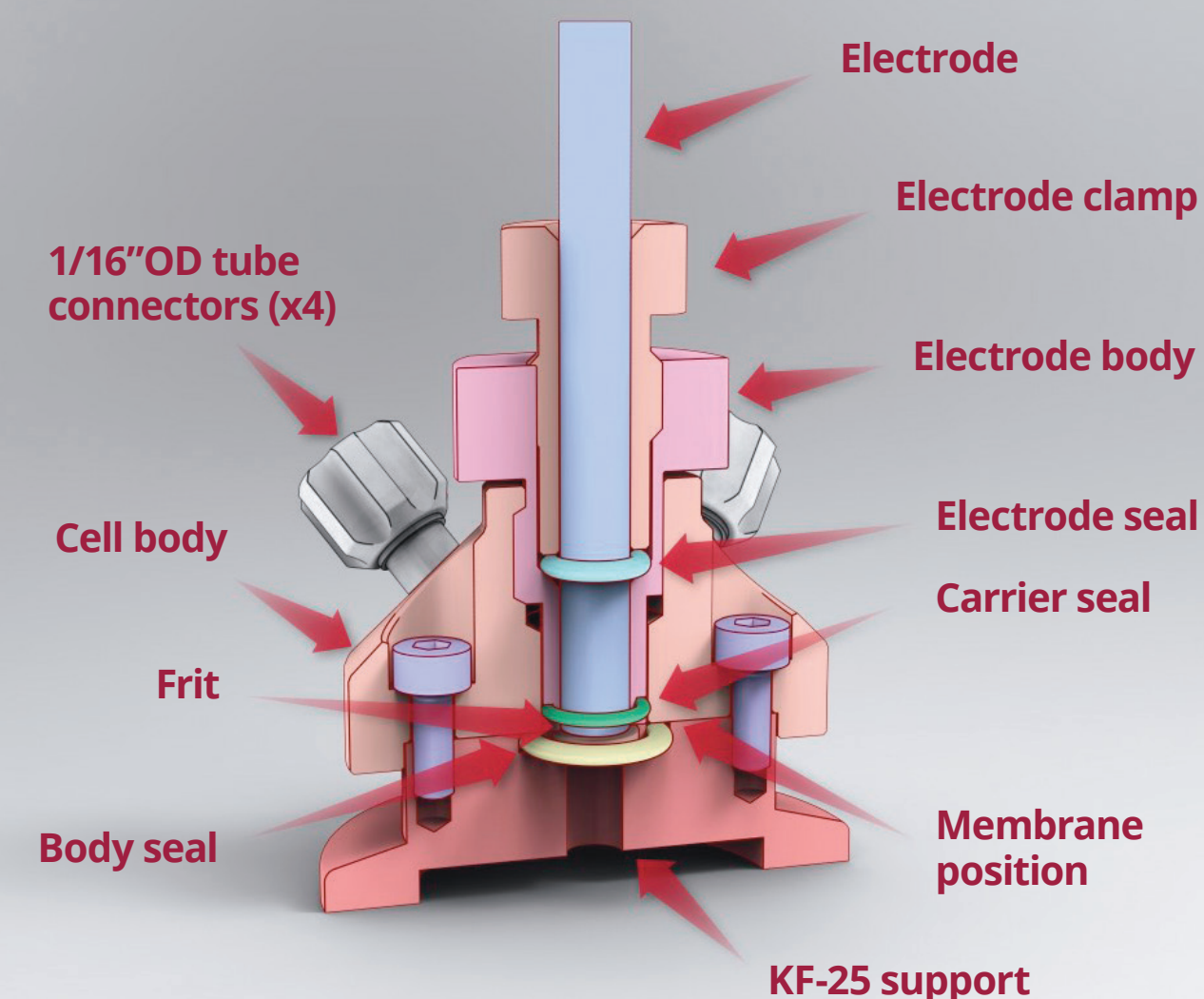
HPR-40 DEMS



Hiden Analytical DEMS Cell

Key Features

- ▶ Differential Electrochemical Mass Spectrometry (DEMS) is an analytical technique that combines electrochemical half-cell experimentation with mass spectrometry
- ▶ It allows in situ mass resolved determination of gaseous or volatile electrochemical reactants, reaction intermediates and products in real time
- ▶ Hiden Analytical offer a range of DEMS cells with electrolyte/nanoporous sampling interface to the Hiden HPR-40 DSA Mass Spectrometer



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|---|-------------------------------------|
| ▶ Vitreous Carbon – User coatable working electrode | ▶ Replaceable nanoporous membrane |
| ▶ 4 Ports for additional electrodes | ▶ Interface to the Hiden HPR-40 DSA |