



Differential Electrochemical Mass Spectrometry (DEMS)

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

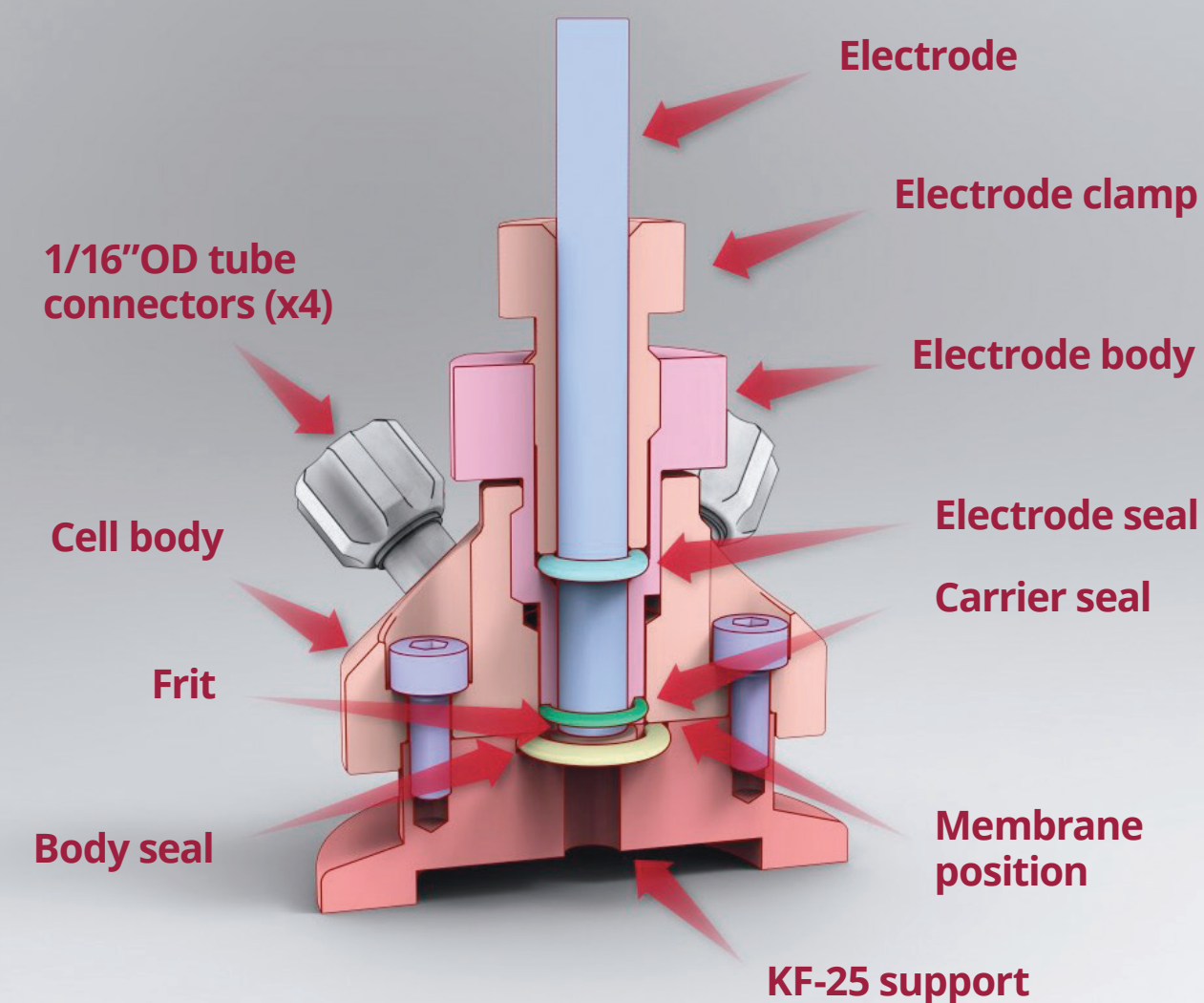


Hidden Analytical DEMS Cell

HPR-40 DEMS

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
- ▶ Hidden Analytical offer a range of DEMS cells with electrolyte/nanoporous sampling interface to the Hidden HPR-40 DSA Mass Spectrometer



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