HIDEN ANALYTICAL

Hiden Analytical Ltd.
420 Europa Boulevard
Warrington WA5 7UN
England

T +44 [0] 1925 445 225
F +44 [0] 1925 416 518
E info@hiden.co.uk
W www.HidenAnalytical.com

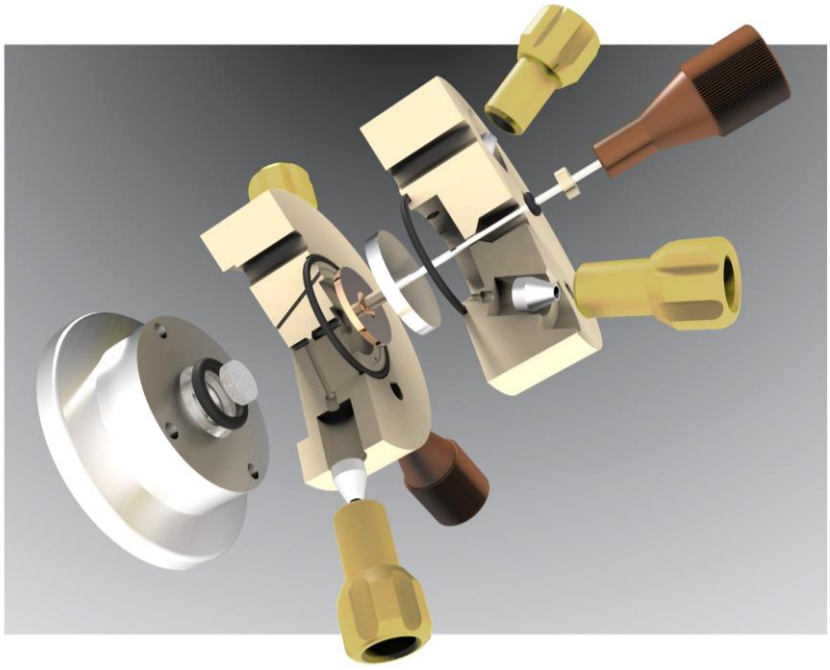
Release date: immediate
Release: HAPR0179

New Product Information

DEMS technique characterises fuel cell chemistry

Hiden Analytical announce a new agreement with **The University of California, Berkley Laboratory**, to produce their novel dual-layer differential electrochemical flow cell for operation with the Hiden **HPR-40 DSA** membrane inlet mass spectrometer. The combined differential electrochemical mass spectrometry technique (**DEMS**) is developed for real-time characterisation of electro-catalytic performance with special relevance to fuel cell chemistry, giving fast identification of gaseous and volatile product and intermediates generated during the electrochemical faradaic reactions directly at the electrode/electrolyte interface.

The introduction of the Hiden DEMS benchtop system now provides the researcher with a versatile tool for detailed characterisation of electrochemical process performance through multiple electrode/electrolyte combinations, providing real-time multi-species analysis together with excellent sensitivity, monitoring evolved and adsorbed species through the range from hydrogen through to 300 amu.



Dual-layer electrochemical cell

For full details on this or any other Hiden Products contact Hiden Analytical at **info@hiden.co.uk** or visit the main website: **www.HidenAnalytical.com**.

--- ends ---