Mass spectrometers for vacuum, gas, plasma and surface science

HIDEN ANALYTICAL

Fuel Cell STUDIES

QIC Series gas analysers with real time gas/vapour analysis for reaction studies

Membrane Inlet Mass Spectrometer (MIMS) / (DEMS)

SIMS surface analysis for characterisation of active surfaces

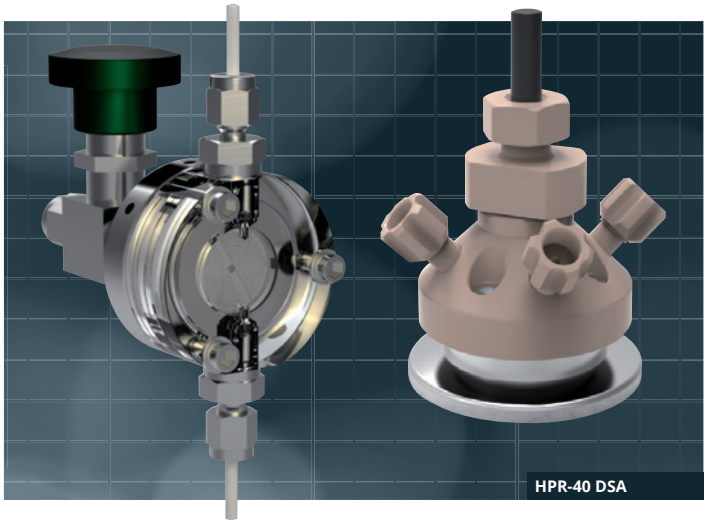
UHV TPD Workstation system for studying adsorption/desorption mechanisms

W www.HidenAnalytical.com E info@hiden.co.uk

QGA

QIC Series gas analysers with real time gas/vapour analysis for reaction studies

- Analysis of reaction mixtures and product composition
- Detection of impurities in gas supply streams
- Detection range from PPB to 100%
- Mass range of 200 amu for detection of gases such as H_2, CH_4, NH_3, H_2O, CO, CO_2 and Sulphur containing compounds
- Simple User Interface


HPR-40 DSA

Membrane Inlet Mass Spectrometer (MIMS)/(DEMS)

- Electrochemistry/catalysis studies with the integrated cells for differential electrochemistry mass spectrometry (DEMS)
- Vitreous carbon electrode for catalyst coating
- Nanoporous membrane interface to the MS for fast response
- In situ determination of gaseous and volatile electrochemical reactants, reaction intermediates and products in real time

AUTOSIMS

SIMS surface analysis for characterisation of active surfaces

- **SIMS Workstation** for surface composition analysis
- High sensitivity – sub ppb detection of trace components

TPD WORKSTATION

UHV TPD Workstation system for studying adsorption/desorption mechanisms

- Low background/High signal for optimum detection of desorption species
- 1000°C Sample stage with zero outgassing sample holder

TDS 192