

## New Product Information

# Residual gas analysers for UHV/XHV in-vacuum operation

The Hiden **RGA series** of quadrupole mass spectrometers for in-vacuum process analysis is further extended to include systems for applications from general vacuum monitoring through to specialised environmental and R&D applications.

The Hiden **HAL/3F series** with triple-stage mass filter enhance both absolute sensitivity and mass resolution, with abundance sensitivity extended to just 5 parts-per-billion (ppb) as determined by measurement of atmospheric Xenon in air. An optional version with fast digital detection – the **HAL PIC series** – provides fastest response together with a continuous 7-decade dynamic range and minimum detectable partial pressure of just 10E-15 millibar.



### *Hiden Quadrupole Probes*

Latest additions are the Hiden **DLS-20** and **HAL X-101** systems. The **DLS-20** features the largest mass filter with pole diameter of 20 mm, specifically designed for specialised applications requiring maximum mass resolution such as separation of deuterium and helium, both at mass 4 amu, with optimum abundance sensitivity. The **HAL X-101** is a specialised product designed for operation in hard radiation environments, the system employing an innovative technique to enable operation with all active electronic components mounted up to 100M from the vacuum gauge.

For full details on this or any other Hiden Products contact Hiden Analytical at [info@hidden.co.uk](mailto:info@hidden.co.uk) or visit the main website: [www.HiddenAnalytical.com](http://www.HiddenAnalytical.com).

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