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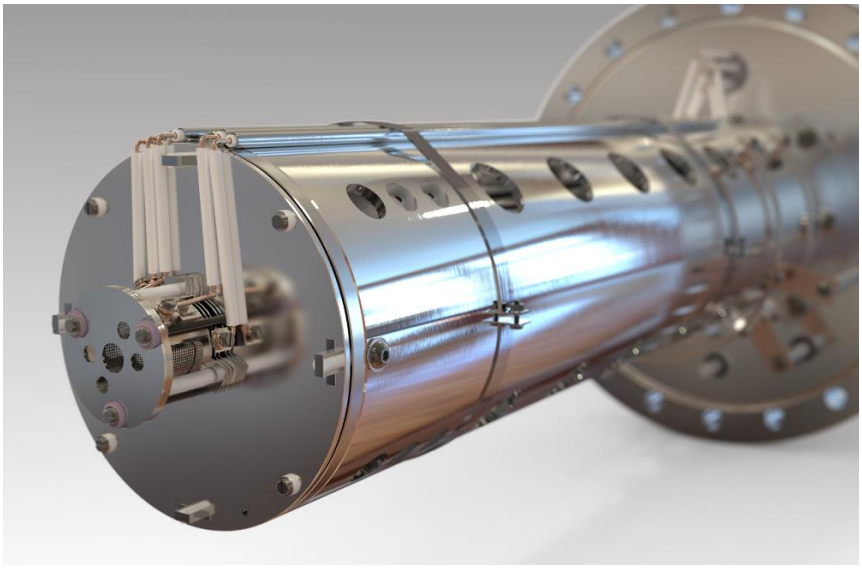
New Product Information

Hiden introduce all-new ultra-high performance quadrupole MS

The Hiden announce the introduction of the all-new DLS-20 mass spectrometer, setting a new performance standard for high resolution quadrupole systems. The mass filter design, based on the Hiden established triple-stage mass filter technology, incorporates enlarged molybdenum mass filter rods of 20 mm diameter to give ultra-high mass resolution and sensitivity with particular application to precision measurement of low molecular weight species. The system is especially suited to refined nuclear and fusion process applications with the ability to resolve a mixture of deuterium (D_2) and helium for example, both at mass 4 amu, with a detection level for D_2 of less than 10 part-per-million (ppm).

The DLS-20 quadrupole system is operable in both the Zone I and Zone II stability regions. Zone I tuning is used for general gas analysis applications over a broad mass range. Zone II tuning enables very high mass resolution for light gases, typically with molecular weights up to 10 amu. And, uniquely, the system features the ability to switch smoothly for operation in either stability region.

The system is available with a choice of electron bombardment ion sources for gas, UHV and molecular beam analysis. The option of analogue and digital signal detection allows the user to optimise operation for fastest response or most stable measurement for analysis of both positive and negative ions, neutrals and radicals.



DLS-20 quadrupole mass spectrometer

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

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