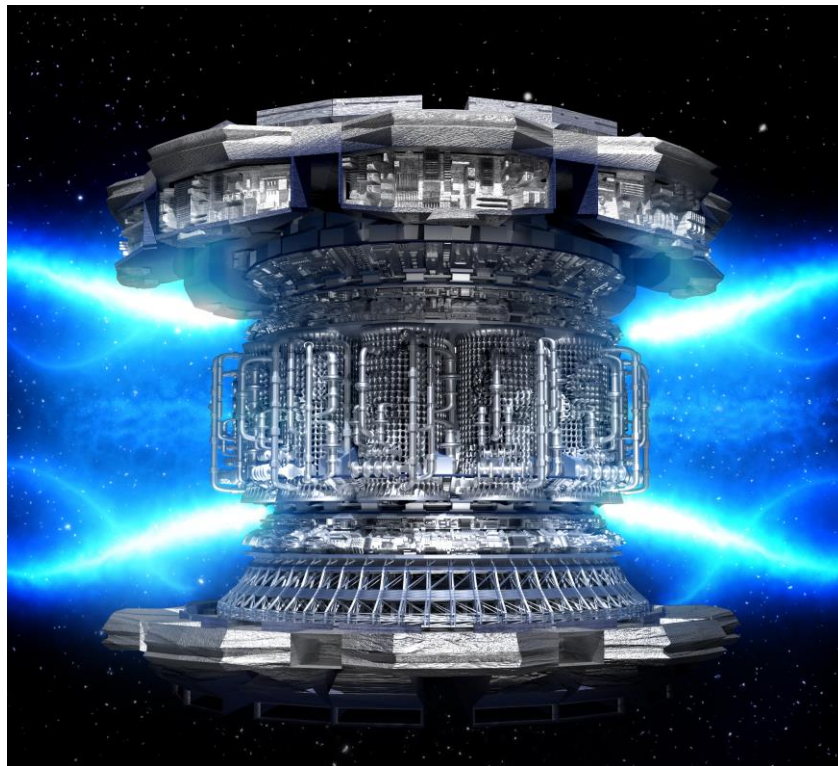


## New Product Information

### **New RGA for harsh radiation environments**

High energy particle physics applications will typically involve particle enclosure in sophisticated evacuated beam guidance systems. Excellent vacuum quality is paramount, with the vacuum monitored most commonly by quadrupole residual gas analysers (RGA's). Issues arise in situations involving very hard radiation environments due to the potential degradation of unprotected active electronic components, with protection typically requiring complex and bulky radiation shielding.



***Tokamak Plasma Fusion Reactor***

The new and innovative Hiden HAL 101X RGA avoids all radiation shielding requirements by employing an original technique to completely eliminate use of active electronic components in the vicinity of the RGA vacuum gauge element. Control electronics can be located up to a full 80 metres from the RGA gauge with no reduction in quadrupole mass filter frequency and with the full 100 amu mass range and performance relative to the standard close-coupled system.

The system features multiple mass scanning modes plus leak detection, real-time background subtraction, automated mass scale alignment, on-line adjustment of ion source and detector parameters. Individual mass channels can be monitored to identify any pressure divergence from user pre-set sensor levels.

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).

--- ends ---