New Product Information

Release: ISOPR1201 Release date: Immediate

Committing to Accuracy: Improved Conformance Testing of Gravimetric Gas Sorption Analyzers

Hiden Isochema has introduced a NIST traceable method for assessing the combined pressure, uptake and temperature measurements of gravimetric sorption systems. An in situ densitometry procedure is used to simultaneously determine mass and volume of an externally calibrated float. The volume is measured within 0.001 cc across the analyzer pressure range and is equivalent to a 1 µg (microgram) air displacement at standard temperature and pressure.

A specific tolerance is calculated from the test conditions and the sensor specifications of a given analyzer to yield a clear pass / fail condition for certification. The method also enables both the absolute combined accuracy and linearity to be quantified in specific operating conditions since it can be applied to any species including non-ideal gases such as carbon dioxide and methane.

This rigorous conformance testing is applied as standard to all new IGA and XEMIS series analyzers and also during routine instrument servicing. A test kit and accompanying software protocol is also offered for user conformance testing to suit the requirements of their site quality management system.

Hiden Isochema's Managing Director, Dr Mike Benham, said "The recent improvements in our conformance testing methods add further to the confidence Hiden Isochema, and in turn our customers, have in the accuracy of data measured using our gravimetric sorption analyzers. This unprecedented tolerance level is a further demonstration of Hiden Isochema's commitment to the quality of both our instruments, and our testing protocols."

About Hiden Isochema

Hiden Isochema is recognized as an established leader in sorption instrumentation with over 20 years' experience in sorption analyzer design and development. For further information on this or any other Hiden Isochema product contact Hiden Isochema at **info@hidenisochema.com** or visit **www.hidenisochema.com**

…ends…

Hiden Isochema Ltd 422 Europa Boulevard, Warrington, England, WA5 7TS
Tel: +44 (0)1925 244 678 Fax: +44(0) 1925 244664
Email: info@hidenisochema.com