

CUSTOMER REFERENCE

SENIS
magnetic & current measurement

SENIS AG, Switzerland develops, manufactures and supplies advanced sensors and instruments for magnetic field and electric current measurement as well as the corresponding development and engineering services. Our solutions and services help our clients in the automotive, consumer electronics, test and measurement industries, as well as to research institutes to create powerful, robust and effective products.

SENIS® 3MH5 used in Bruker Laboratories and products is a **Low-Noise Digital Teslameter** with fully integrated 1-, 2-, 3-axis Hall Probe (Bx, By and Bz). This Digital Teslameter provides the possibility of automatic data acquisition via a USB serial interface by a host computer. In this way, customers can easily integrate a measurement routine into their measurement system using its programming tools.

Due to the probe geometry and specially developed calibration algorithms, the accurate measurement of all three components of the magnetic field in the range of 10mT, can be combined with the accurate probe positioning, so that the central current line of the large coils can be defined with a very high precision and repeatability.

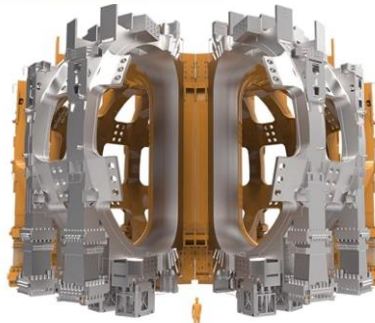
www.senis.ch



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ASG
Superconductors



SENIS AG is selected to provide the Low-Noise & High-Accuracy Magnetic Field Measurement System, based on **SENIS 3MH5 Teslameter**, for mapping the magnetic field around large Toroidal Coils for the ITER Project, a global research project conducted jointly by Europe, China, South Korea, India, Japan and the United States.

SENIS was assigned by company [ASG-Superconductors](http://www.asgsuperconductors.com) to participate in the [ITER](http://www.iter.org) – Project. ITER shall demonstrate the scientific and technological feasibility of fusion energy on an industrial scale. The principal goal of ITER is to generate 500 megawatts of fusion power for periods of 300 to 500 seconds with a fusion power multiplication factor of at least 10.

Read the article of ASG Superconductors:

<https://www.asgsuperconductors.com/images/news/magnetic-flux-density-measurement/Magnetic%20flux%20density%20measurement.pdf>