SENIS - Customer Reference:

Pohang Accelerator Laboratory – KOREA

“We utilized SENIS AG's 3-axis analog magnetic field transducer (I3C-03C10L-B02T0K5J) to measure the magnetic fields of magnets used in the construction of the Multipurpose Radiation Source (4GSR). Starting with the measurement of center bending magnet, we are measuring the magnetic fields of various magnets such as quadrupole, longitudinal gradient bending magnet, sextupole, octupole, and comparing the measured values with the designed values to determine the error. SENIS probes excel in performing precise measurements.”

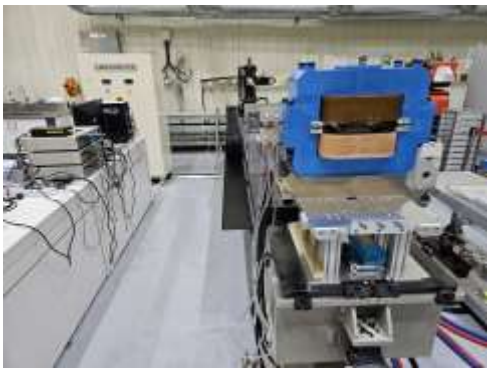
Yoon-Geol Choi,
Senior Researcher, Electromagnet Insertion Device Team
“Pohang Accelerator Laboratory”

Pohang Accelerator Laboratory, Republic of Korea

https://pal.postech.ac.kr/

SENIS AG's 3-axis analog magnetic field transducer (I3C-03C10L-B02T0K5J) is being utilized to measure the magnetic fields of magnets in 4GSR project. The measured magnetic field value of the center bending magnet showed an error of approximately <10G compared to the design value. A significant advantage of SENIS probes is that there is no need to consider the Planar effect during measurement, allowing us to significantly reduce the measurement time. Through these measurements, we were able to evaluate the quality of the designed magnets.

SENIS probes will be used to validate the design results of various magnets in the ongoing 4GSR project.



For more information about 4GSR project: **https://www.kns.org/files/pre_paper/49/23S-317-%EC%9D%B4%ED%83%9C%EC%97%B0.pdf**

“Customers like our 3D high-precision teslameters because they allow to measure the magnetic field vector and its strength with unprecedented accuracy and repeatability very close to the magnet surface and in small gaps. All three components of the magnetic field are measured in one spot.”

- **SENIS AG**

ACCURATE

INVENTIVE

CUSTOMIZED

About SENIS AG

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 research institutes to create powerful, robust and effective products.