

Adjustable magnetic field systems for optical experiments

This type of magnetic field sources also is based on the principle of dipole Halbach-structure, but the special design permits to get an optical access to the sample under investigation along several directions with a rather wide aperture.

The original design gives a unique composition of parameters:



The operational bore:	Ø 42 mm
The field adjustment interval:	from -0.7 up to 0.7 T
Field homogeneity within working region:	within ~ 1 %
The invariable geometry of operational space during the field adjustment:	Yes
The possibility for optical observations in directions along and perpendicular to the field vector:	Yes

It is possible to supply the system with a built-in field measuring system, connected to a PC. The field adjustment can be controlled from a PC or with a built-in controller.

The geometrical and field parameters described above can be change under customer specification.

Example of adjustable magnetic field system for optical experiments.

Additional information about Adjustable magnetic field systems for optical experiments can be found in [article «Highly intensive magnetic systems»](#), prepared by AMT&C for «Magnetics Technology International Journal».

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