

Induction magnetometer

Induction magnetometer allows to measure magnetic field isotherms of magnetization (magnetization versus magnetic field ($M(H)$ dependences) in the fields up to 2 T and in the temperature interval from 80 to 370 K. Magnetization is measured by induction method.



Specification:

- temperature interval — from 80 to 370 K,
- magnetic field interval — from 0,02 to 2 T,
- relative measurement accuracy of magnetization - 2 %,
- maximal sample dimensions - $\varnothing 1.5 \times 3.7$ mm.

Magnetometer (its measuring part) consists of the measuring insert, electronic module and control and data acquisition program and can be used together with the magnetocaloric measuring setup (which includes permanent magnet adjustable magnetic field source, liquid nitrogen cryostat, temperature controller, 2 digital voltmeters, control computer with corresponding interface and control boards).

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