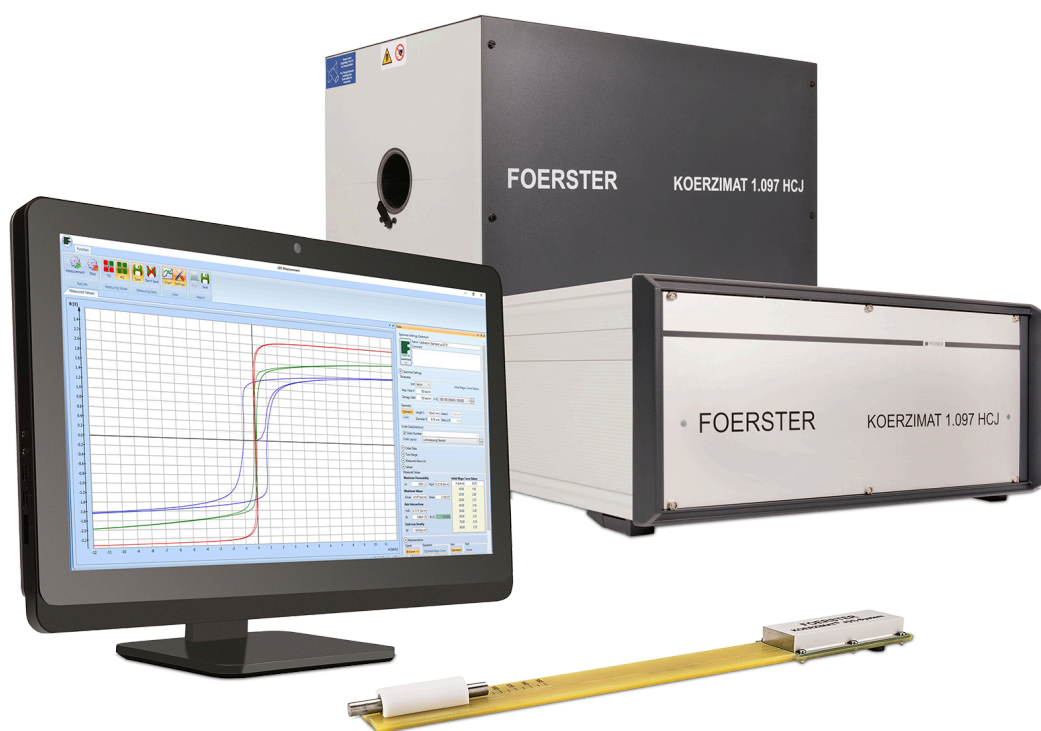




KOERZIMAT 1.097 J-H

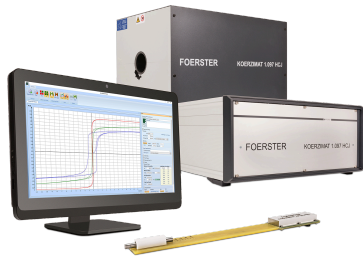
System for the measurement of magnetic properties



KOERZIMAT 1.097 J-H

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System for the measurement of magnetic properties



Determination of the complete J-H hysteresis of soft magnetic materials. The KOERZIMAT J-H measuring system is an extension of the KOERZIMAT 1.097 HCJ. It determines the complete J-H hysteresis, including the initial magnetization curve of soft magnetic materials in an open magnetic circuit. The hysteresis is determined by means of a J-sensor and a simple, user-friendly measuring procedure.

Measurements can be taken on round bars (diameter 8-14 mm, length/diameter ≥ 10 mm) or sheets (width 10mm, thickness 1.6 / 2.00 mm, length < 150 mm). Before measurement, the (bar) specimens need not be precisely ground or mechanically loaded.

YOUR ADVANTAGES AT A GLANCE

Precise hysteresis measurement: Fast and precise measurement of J(H)- / B(H)-DC hysteresis, incl. initial magnetization

Magnetization in open magnetic circuit

Magnetization field strength up to 100 kA/m

Wide measuring range: Measuring range 100 – 4,000 μr

Easy specimen mounting: Simple specimen fitting on the specimen slide

Shielded measurement technology: Magnetically shielded measuring coil

Minimal sample preparation: Minimal effort for sample preparation

Sample-friendly testing: No mechanical stress on the samples

TECHNICAL INFORMATION

PERMISSIBLE AMBIENT TEMPERATURES:	0 to +40 °C
PROTECTION GRADE:	IP 32
MAGNETIZATION FIELD STRENGTHS:	100 kA/m
MEASURING TIME - COMPLETE HYSTERESIS INCL. INITIAL MAGNETIZATION:	approx. 2 min
MEASURING RANGE - RELATIVE PERMEABILITY:	100 - 4,000 μ r



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