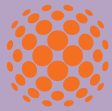


RT - SHPM

Room Temperature Scanning Hall Probe Microscope



NANOMAGNETICS
INSTRUMENTS



NANOMAGNETICS
INSTRUMENTS

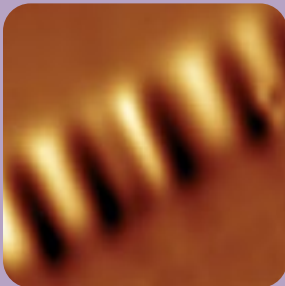
RT - SHPM

Room Temperature Scanning Hall Probe Microscope

Quantitative & Non-Invasive
Magnetic Measurements
at Nanometer Scale



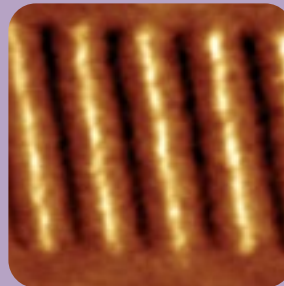
SHPM Image of
NIST Calibration Sample



SHPM Image of
NdFeB Demagnetised Magnet



MFM Image of
Hard Disk



RT-SHPM Head



System Specifications

- Imaging Modes : SHPM, STM, AFM, MFM, EFM
- Scan Size : 52 x 52 μm , linearised with 20 Bit resolution
(Different scan sizes are optional)
- Z Range : 4.8 μm (20 Bit resolution)
- Sample Approach : 50 mm range, 0.5 μm resolution motorised Z stage
- XY Positioning : 50 mm travel, 50 nm resolution motorised XY stage
(Larger XY travel ranges are optional)
- Sample Size : 100 x 100 x 50 mm maximum
(Larger sample sizes are optional)
- Video Microscopes : Integrated Microscopes
Top view 2 μm resolution
Side view 10 μm resolution
Adjustable white light sources
- Large Area Scans : 50 x 50 mm motorised SHPM scans for low resolution experiments
- Acoustic Isolation : Special system for acoustic and thermal isolation (optional)
- Vibration Isolation : 0.3 Hz cut-off in XYZ directions (optional)

Software upgrades are free for lifetime

Note: Specifications are subject to change without notice.

Suite 290, 266 Banbury Road Oxford OX2 7DL U.K.
Tel: +44 7906 159508 • Fax: +44 870 7620573
www.nanomagnetics-inst.com • info@nanomagnetics-inst.com