

CryoFMR MPMS[®]3

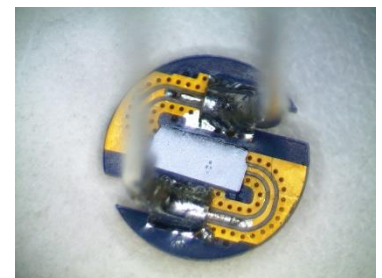
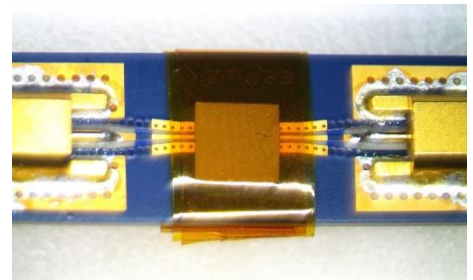
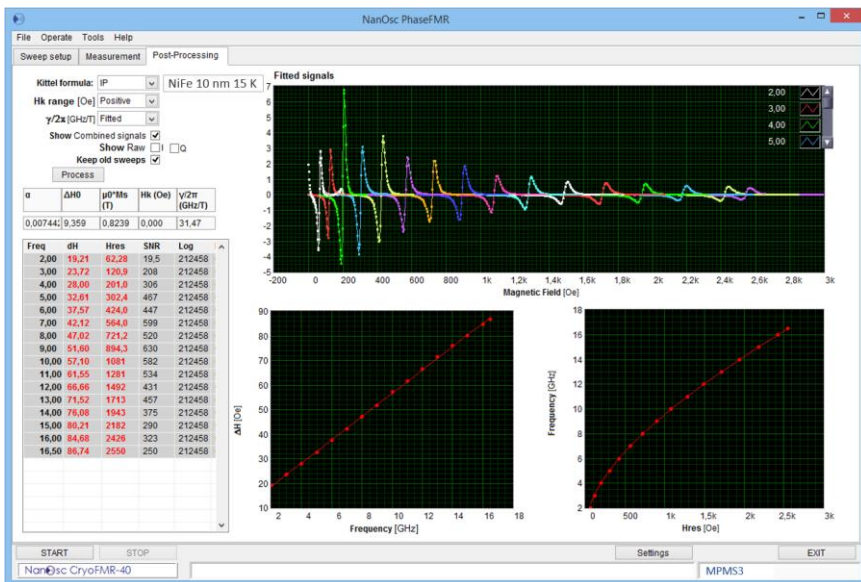
The NanOsc Instruments AB line of broadband ferromagnetic resonance (FMR) spectrometers are now compatible with the Quantum Design MPMS3.

Broadband FMR spectroscopy allows for measurements continuously spanning several 10's of GHz. Measurements over a wide frequency range allow for significant improvements in accurately extracting a variety of material parameters not accessible by static measurement techniques.

Broadband FMR is particularly well-suited for studying magnetic thin films, which not only form the backbone of fundamental spintronics and magnonics research but are also constituents of current and future technologies focused on magnetic memories, sensors, logic, and microwave signal processing.

Key Features:

- Special coplanar waveguides suitable for in-plane and out-of-plane applied fields
- Sample temperature and field controlled by the MPMS3
- Turn-key FMR spectrometer with easy to use software interface
- Measures effective magnetization (M_{eff}), anisotropy (K), gyromagnetic ratio (γ), damping (α), inhomogeneous broadening (ΔH_0), and exchange stiffness (A)



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