MICROSCOPIA A FORZA ATOMICA (AFM)

Bruker MultiMode 8 AFM

Specifications:

- Scanners "E" (125µm x 125µm XY and 5µm Z) and "J" (10µm x 10µm XY and 2.5µm Z range)

- Sample heater-cooler with -35 to 250°C range (includes integrated scanner with 125µm x 125µm XY and 5µm Z range)

- Probe holder for most imaging applications in liquids

- PeakForce QNM technology for quantitative mapping of material properties

- VT-102 vibration isolation table

The MultiMode-8 is designed to perform both topographic and mechanical investigations of surfaces. Besides the common contact or tapping measuring modes in air, our instrument is equipped with a liquid cell for measurements in aqueous environment as well as scanners for measurements ranging from 125µm down to the nm range. A connected temperature control unit enables investigation of the topography and mechanical specifications within a temperature range of –35 to 250°C. The Peak Force QNM Program allows to perform simultaneous quantitative measurements of nanoscale material characteristics like Young-modulus (elasticity), adhesion forces, deformation, and energy dissipation.

Imaging Modes: PeakForce Tapping Mode, PeakForce Tapping Mode with ScanAsyst,Tapping Mode, Contact Mode, Phase Imaging, Quantitative Nanomechanical Measurements, Scanning Kelvin Probe and Imaging in Liquids

Contatti:

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