Quantum Design

LATIN AMERICA

Raising The Science

Materials Science

Spectroscopy

Cryogenics

Optics

Nanoscience

Sample Synthesis

Biotechnology & Chemistry

Industries

Microscopy

Quantum Technology

Condomínio Empresarial Praça Capital
Av. João Scarparo Netto, 170
Milão 117 – Campinas/SP – Brazil
13.080-655

+55 19 3212.0230
+55 19 992.476.554

qd-latam.com

Magritek

Germany

Quantum Design
LATIN AMERICA

Spinsolve is a revolutionary multinuclear NMR spectrometer that provides the best performance of any benchtop system available today. The Spinsolve spectrometers come in 90, 80, and 60 MHz models and can be equipped with unique features. With its small footprint, low weight, and low cost you can have powerful, high resolution NMR spectroscopy in the chemistry lab.

The Ultra high field homogeneity of this model has been achieved to obtain the highest performance from solvent suppression methods. This technique is particularly useful to measure compounds dissolved even at sub-millimolar concentrations in protonated solvents.

Measure multiple X nuclei over a broad frequency band without the need of any user intervention. The Spinsolve Multi X switches between different nuclei in a fully automatic way, making it possible to run a series of multinuclear experiments unattended. By combining this new technology with the Spinsolve sample changer a powerful level of automation can be achieved. Since the whole library of protocols available for each nuclei is pre-calibrated, the queueing function in the Spinsolve software can be used to measure several X-nuclei on a series of samples.

Most common applications:

- Chemistry Education
- Reaction Monitoring
- Polymers
- Forensic Drug Analysis
- Food and Drinks
- Petrochemical
- NMR Research

BIG AREAS Biotechnology and Chemistry | Industries

Spectroscopy

magritek

Key features:

- Highest Sensitivity: >240:1 (Dual channel for 1% Ethyl Benzene1)
- ^{1}H and ^{19}F on all systems + X nuclei for dual channel systems
- Resolution Spinsolve 90 MHz: <0.4 Hz (50%) / <16 Hz (0.55%)
- 3D PFG gradients optimized for gradient-enhanced methods
- Optional PFG gradients for diffusion spectroscopy (>0.5 T/m)
- No cryogens
- External Hardware Lock with no need for deuterated solvents
- Unparalleled stability
- Suitable for on-line reaction monitoring
- Easy to operate
- Available with automatic sample changer
- Benchtop size and weight
- Dimensions: 66 x 45 x 43 cm (25,9" x 17,7" x 16,9")
- Weight: 115 kg (253,5 lb)