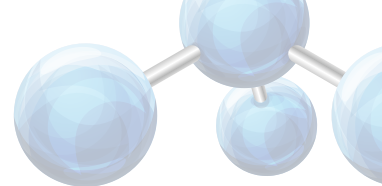


Thermo Scientific picoSpin
Benchtop NMR Spectrometers



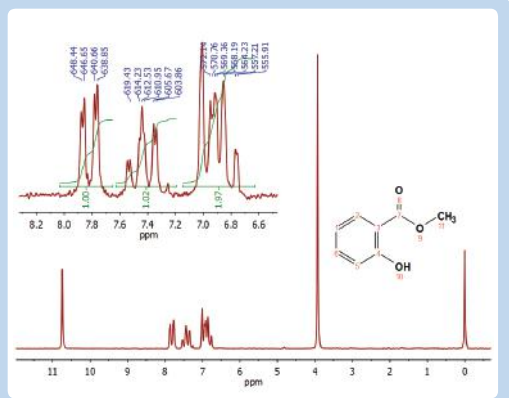
**High performance NMR
made accessible**

Thermo
SCIENTIFIC



NMR where you need it

The power of NMR to characterize organic molecules is unrivalled. Thermo Scientific™ picoSpin™ NMR spectrometers bring this power to your benchtop or classroom. Available in 82MHz and 45MHz versions, these highly-affordable compact instruments deliver the data you need, where you need it.



82MHz spectrum of Oil of Wintergreen resolves neighboring multiplets and reveals small couplings.

The picoSpin benchtop NMR spectrometers overcome the size and complexity limitations associated with the technique, allowing analysis to be done exactly where needed. In fact, picoSpin systems have the robustness to be used on mountains and aboard NASA's Weightless Wonder zero-gravity aircraft.

Its cryogen-free architecture is one of a kind and reduces the need for consumables like fragile NMR tubes and expensive deuterated solvents. This architecture reduces operating costs and makes picoSpin the most affordable NMR available.

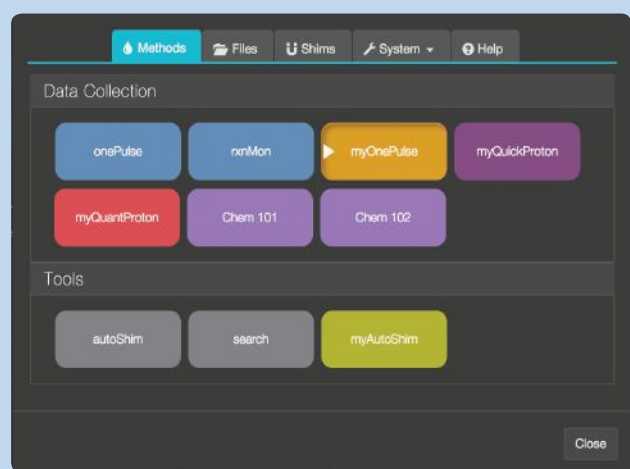
Chemical processes are easy to understand with the reaction monitoring accessory. The unique flow-through cartridge interfaces seamlessly to conveniently provide a detailed understanding of chemical processes.

Benchtop NMR Modernized

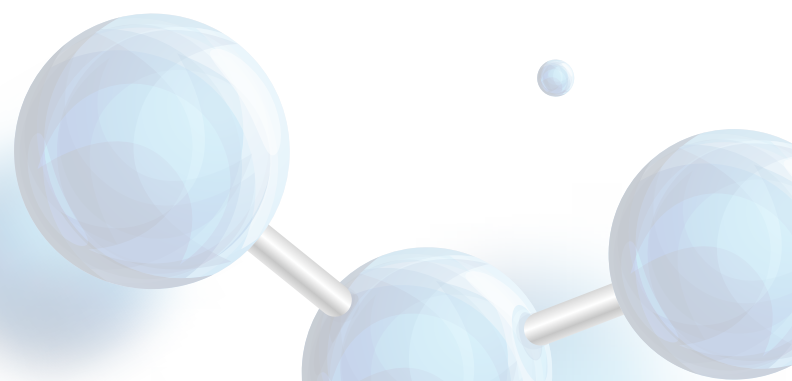
The picoSpin Series II spectrometers take usability to the next level with a new, intuitive interface. Users can easily access their data from anywhere, even a tablet or smartphone.



Easily operate your system through a web-browser for remote access, automatic shimming and single-click data collection.



Create custom methods to run routine analysis at the push of a button.



Made for
**Laboratory
and Classroom
Efficiency**



picoSpin 45 Series II NMR spectrometer
Displaying needle-less option

In the Laboratory

Efficiency means everything in a busy lab. With the picoSpin there's no need to wait hours for NMR data from a remote facility. Simply inject your sample, press 'Go' and access the data right from your computer in minutes.

From quality control to reaction optimization, picoSpin fits neatly on the bench alongside FT-IR and LC/MS, solving problems quickly. For real-time studies of reaction mechanisms and kinetics simply place it in the fume hood next to a reactor with the Reaction Monitoring Accessory.

Optimize Your Workflow

- Custom methods for fast routine analysis
- Automatic data export options for easy reporting
- Intuitive software interface for efficient operation, no matter the user
- Capillary injection system eliminates sample prep
- Portable size to go wherever you need NMR data
- Remote access to monitor your system from anywhere



In the Classroom

Bring NMR technology to your classroom and give your students the best hands-on experience using the picoSpin Series II benchtop NMR spectrometer. Spectra are analyzed with bundled industry-leading Mnova™ software, so each student has all the tools needed to interpret their own spectra and characterize their compounds.

Enhance Your Classroom Experience

- Low cost of ownership
 - Affordable design makes owning multiple units a possibility
 - No cryogenics, NMR tubes or deuterated solvents reduces operating costs
- Compact design saves bench space
- Portable to share between classes or sites
- Needle-less sample injection option
- Design custom methods to pair with lesson plans for high throughput
- Ability to align with curriculum topics:
 - Organic Chemistry
 - Reaction Rates
 - Isomeric Identification
 - Percent Composition





picoSpin 80 Series II
NMR spectrometer

Testimonial

“The picoSpin 80 has fully met our analysis needs. Now, instead of losing time and money sending our samples to an outside lab, we quantitatively obtain the same information steps away from the hood.”

*Kyle Whitten, PhD.
Sr. Research Scientist
MacDermid Enthone Electronic Solutions*

See how the picoSpin can work for your application at
thermofisher.com/nmr

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