

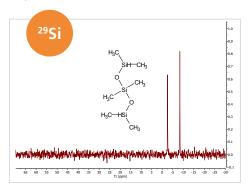


Bringing broadband NMR to your benchtop

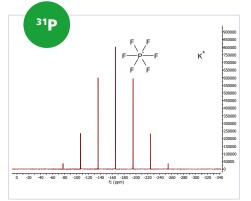


True X-Nuclei

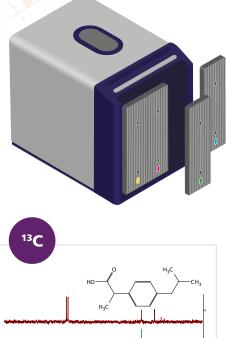
Tunable broadband preamplifier allows you to select nuclei from ²⁹Si to ³¹P, whatever your experiment needs.

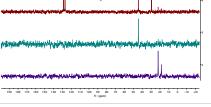


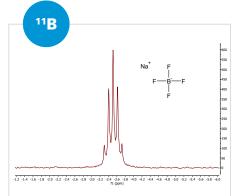
No compromises! **X-Pulse** lets you maximise your signalto-noise ratio with optional interchangeable **X-Pods** for specific nuclei.



Learn more at: nmr.oxinst.com/x-pulse

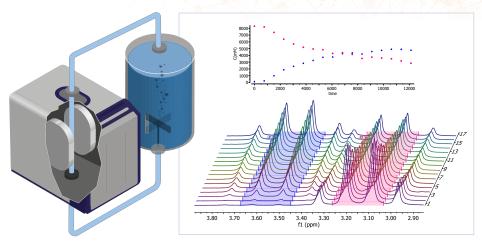




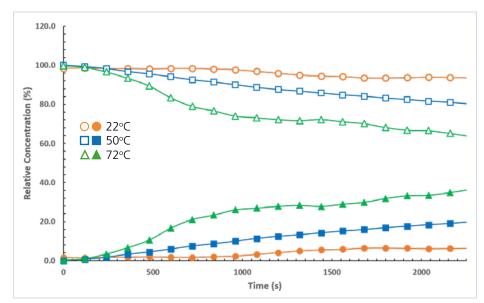


Reaction Monitoring

Monitor your reactions as they happen.



Observe your reaction at temperatures from 20°C to 70°C and with the variable temperature probe.



X-Pulse

Advanced pulse sequences

Pulsed field gradients and shaped RF pulses as standard for: coherence selection, selective excitation, water and solvent suppression

Clearer spectra

New shimming technology allows spectral resolution of <0.35Hz/10Hz as standard

Easy to use and maintain

Removable and easy-to-access probe for cleaning. Use with standard 5mm NMR tubes or easy-to-use flow cell

Choose your nuclei

Measure the nuclei you need for your experiment with the world's first broadband benchtop NMR spectrometer

No need to compromise

X-PUISE

XFORD

Interchangeable **X-Pods** allow you to optimise signal-to-noise ratio for specific nuclei

Easy operation

Quick experiments turn complex pulse sequences into a single click allowing anyone to access the power of NMR

Flexible software

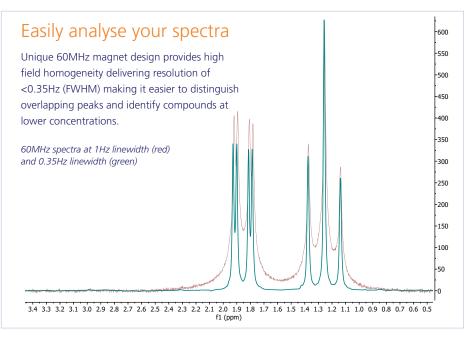
SpinFlow advanced mode allows you to define your own experiments, your way

Benchtop convenience

No requirement for special facilities or liquid cryogens allowing you to use the instrument wherever is most convenient

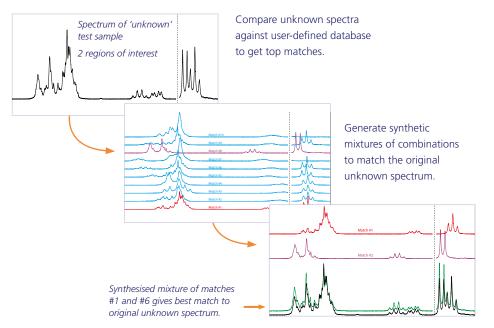
Ultimate stability

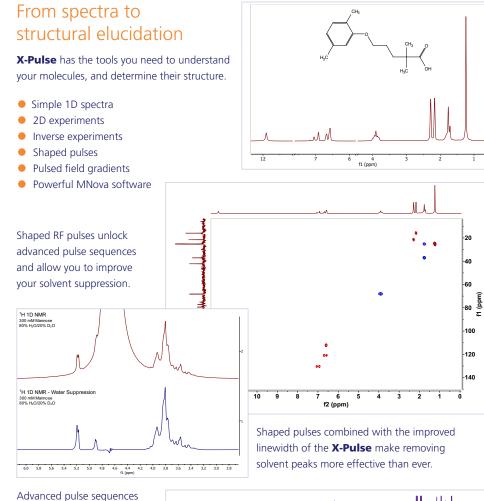
Flow liquid samples at variable temperature (20°C – 70°C) without spectral artefacts. Run high duty cycle pulse sequences without destabilising the magnet



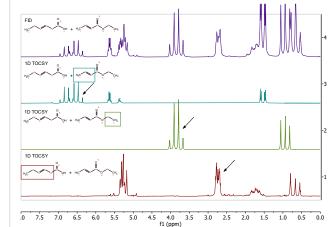
Unleash the power of QA/QC in your benchtop NMR

Quickly identify compounds, even in mixtures, or low concentration adulterants using chemometric fingerprinting from your own custom-built database. This allows you to ensure the consistency of your products and processes while spotting any contaminants.





Advanced pulse sequences like the selective 1D TOCSY can be used in place of some 2D experiments, simplifying spectral analysis and allowing you to obtain your results more quickly.



OiService[®]

We're here to help you!

OiService aims to keep your instrument working as hard as you do. Our global network of service hubs provides a full range of technical support:



Consumables and accessories Range of sample tubes and other accessories available.



Extended warranties Avoid unplanned costs.



Online diagnostics In-depth support over the internet.



Maintenance contracts Ensures your analyser produces the right result every time.



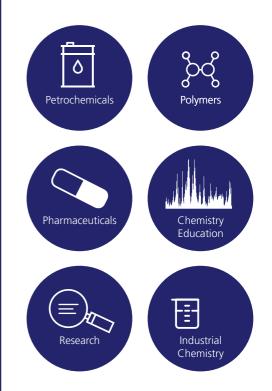
Repairs Fast and efficient turnaround.



Telephone help-desks For a fast response to your problem.



Training Understand your analyser and its features.



This brochure provides only a glimpse into the technology of **X-Pulse** and its applications. Find out more at: **nmr.oxinst.com/x-pulse**

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