

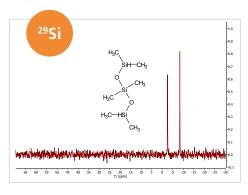


#### Bringing broadband NMR to your benchtop

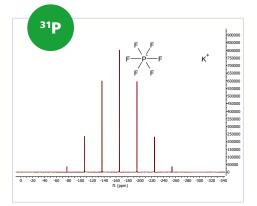


## True X-Nuclei

Tuneable broadband preamplifier allows you to select nuclei from <sup>29</sup>Si to <sup>31</sup>P to match your experimental needs.

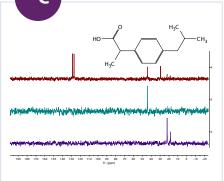


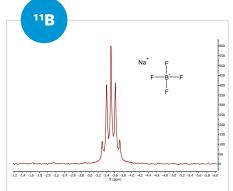
No compromises! **X-Pulse** lets you maximise your signalto-noise ratio with optional interchangeable **X-Pods** for specific nuclei.



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

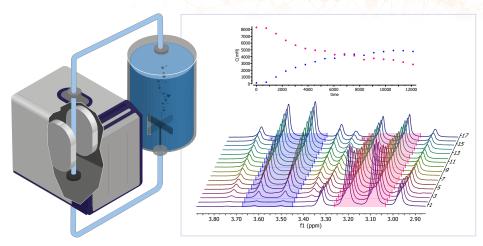




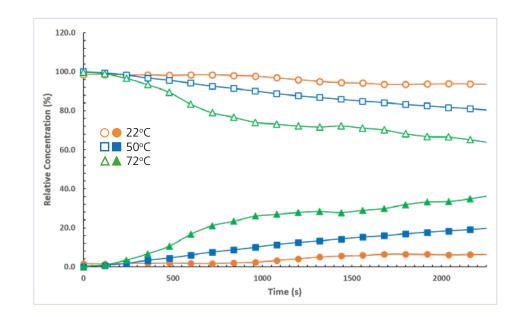


### Reaction Monitoring

Monitor your reactions as they happen.



#### Monitor your reactions at a range of temperatures.



# 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 experiments 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

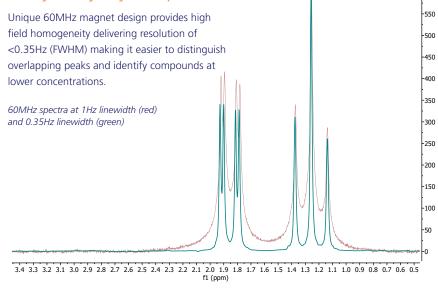
#### Benchtop convenience

No requirement for special facilities or liquid cryogens allowing you to use the **X-Pulse** wherever is most convenient

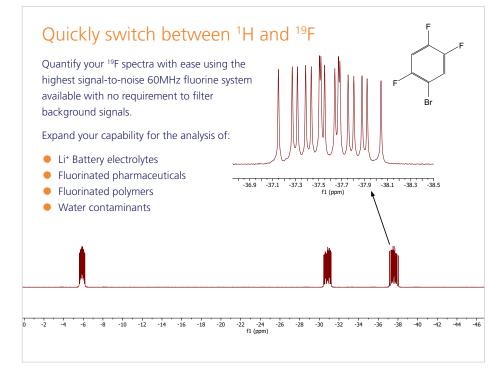
### Ultimate stability

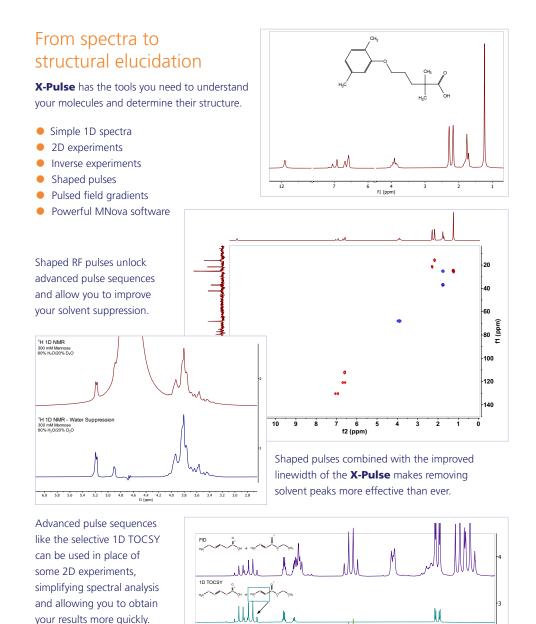
Flow liquid samples at variable temperature (20°C – 60°C) without spectral artefacts. Run high duty cycle pulse sequences without destabilising the magnet

### Easily analyse your spectra



-600





1D TOCS)

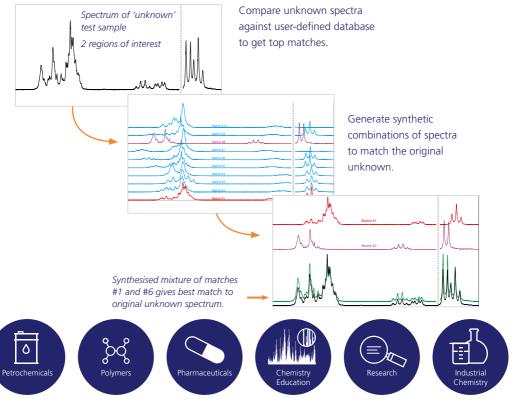
1D TOCSY

~/

.0 7.5 7.0 6.5 6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 f1(ppm)

### Unleash the power of QA/QC in your benchtop NMR

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



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

# **Oi**Service<sup>®</sup>

### 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.

- Extended warranties
- Consumables and accessories
- Maintenance contracts
- Remote support
- Repairs

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