

Spinsolve®

Who

- Medicinal and Pharmaceutical Chemists
- Small Molecule Research Scientists
- Academics running practical laboratory classes
- Organic Chemistry Lecturers
- Synthetic Chemists monitoring reactions
- Post Graduate Chemistry Students

Why

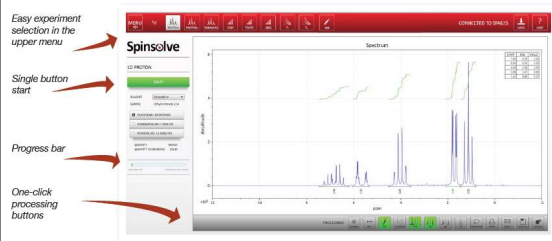
- No cryogenics
- Fast
- Convenient
- Low cost
- Accessible
- Robust
- Low maintenance
- Easy to operate
- Exceptional performance



Parameter	Spinsolve Education	Spinsolve	Spinsolve Carbon	Spinsolve Phosphorus	Spinsolve 60	Spinsolve 60 Carbon	Spinsolve 80
Nuclei	¹ H	¹ H, ¹⁹ F	¹ H, ¹⁹ F, ¹³ C	¹ H, ¹⁹ F, ³¹ P	¹ H, ¹⁹ F	¹ H, ¹⁹ F, ¹³ C	¹ H, ¹⁹ F, ¹³ C
Operating Frequency (1H)	43 MHz	43 MHz	43 MHz	43 MHz	60 MHz	60 MHz	80 MHz
¹ H 50% Linewidth	< 0.5 Hz	< 0.5 Hz	< 0.5 Hz	< 0.5 Hz	< 0.5 Hz	< 0.5 Hz	< 0.5 Hz
¹ H 0.55% Linewidth	< 20 Hz	< 20 Hz	< 20 Hz	< 20 Hz	< 20 Hz	< 20 Hz	< 20 Hz
¹ H Sensivity (1% EB)	> 100:1	> 100:1	> 70:1	> 70:1	> 180:1	> 120:1	> 200:1
Operating Temperature	20 °C to 25 °C						
Dimensions	58 x 43 x 40 cm						
Weight	55 kg		60 kg			72.5 kg	
Stray Field	2 Gauss line is within the spectrometer enclosure						
Voltage Requirement	100-240 VAC, 50/60 Hz						

Software

The Spinsolve software is beautifully simple and easy to use, with a clean and intuitive user interface.



Why the Spinsolve™ will suit your education needs:

REDUCE COST

- Low cost to purchase compared to high field.
- Non-deuterated solvents can be used.
- Low power consumption.
- Budget NMR tubes can be used.

SAVE TIME

- Nearby - fits easily on laboratory bench.
- Standard 5 mm NMR tubes enables rapid sample exchange.
- Fast - students get on and off quickly.
- Easy to use - simple and intuitive software.
- Safe - no stray magnetic field.

INFORMATIVE

- Enables leading NMR education.
- Obtain high-resolution NMR data in as little as 10 seconds.
- Now available with 2D, multi-pulse experiments (2DJRts, COSY) and ¹⁹F Fluorine.
- Students and teaching staff gain hands-on experience with NMR.

