



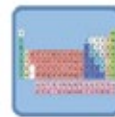
# NMReady-60Pro

High performance multinuclear compact NMR

**nanalysis**  
**NORELL®**

**Nanalysis Spectrometers & Norell NMR Tubes...  
Ingenuity, Precision & Proven Results**

# MULTI-NUCLEAR CAPABILITIES



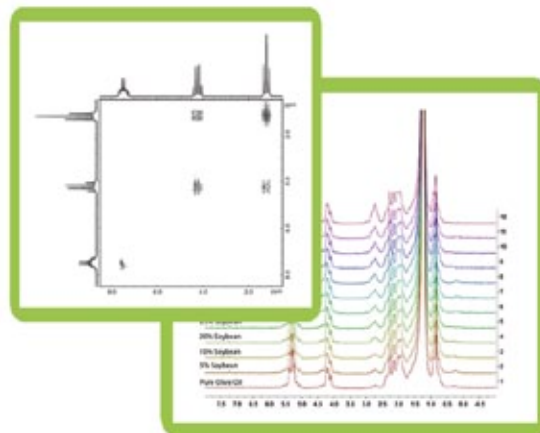
The NMReady-60Pro can be tuned to acquire spectra for many conventional spin active nuclei, enhancing its utility for characterizing a broad range of natural and synthetic compounds.

$^1\text{H}$ ,  $^7\text{Li}$ ,  $\text{B}$ ,  $^{13}\text{C}$ ,  $^{19}\text{F}$ ,

## PULSE PROGRAM CONTROL

The NMReady-60Pro provides user access to the pulse programming interface, enabling the user to design their own experiments or load/customize pre-existing experiment from a series of 1-D, relaxation, homo- and hetero-nuclear 2-D templates. This includes, but is not limited to:

- ✓ T1
- ✓ T2
- ✓ Nutation
- ✓ COSY
- ✓ DEPT
- ✓ HSQC
- ✓ HETCOR
- ✓ Decoupling
- ✓ Signal Suppression



**SUPERIOR PERFORMANCE**

- 
**Compact and Portable**  
 The NMReady is the only available all-in-one benchtop NMR spectrometer. It is lightweight, easy-to-site & has a small footprint so it can be located wherever it is most needed.
- 
**Energy Efficient**  
 The NMReady plugs into standard outlets, consumes minimal power & can be set to 'power-save' when not in use.
- 
**Conventional Sample Preparation**  
 The NMReady is compatible with standard 5 mm NMR tubes & typical NMR sample volumes.
- 
**Low Maintenance**  
 The permanent magnet does not require cryogenics or weekly servicing.
- 
**Limited Stray Magnetic Field**  
 5 Gauss line contained within enclosure.

Nanalysis recommends **NORELL** NMR tubes.

# QUICK AND EASY TO USE

Improve workflow and increase research productivity with this revolutionary 60 MHz NMR spectrometer. It is powerful, easy-to-site and the on-board software is tailored for straightforward data collection and analysis.

## Load, Customize or Design Experiments

Various pre-existing experiments are provided with standard parameters that can be adjusted as needed.

## Create Projects

Routine data collection and NMR experiments can be saved and loaded on demand to simplify both data acquisition and analysis.

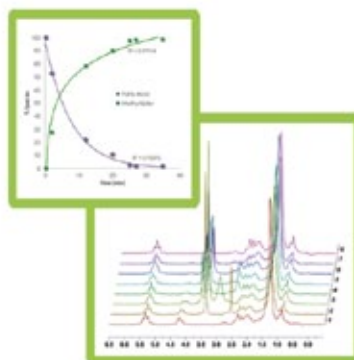


## SIMPLE REACTION MONITORING

The onboard user interface facilitates rapid single spectrum or multi-spectra data collection.

Reaction monitoring, speciation plots and kinetics experiments are elementary with straightforward manual integration cuts and plotting functions.

Data can also be exported, printed and processed via multiple connectivity options.



## ACCESSIBLE & SECURE DATA

- ✓ USB
- ✓ Ethernet
- ✓ Wi-Fi
- ✓ Secure login
- ✓ Individual user profiles

# 1

### Configure

Desired experiments are easily selected and acquisition parameters can be modified from pop-up menus.

# 2

### Acquire

Once configured, data is collected by merely selecting 'Go'.

Data is acquired quickly, with the first scan is displayed and this is updated every additional four scans.

# 3

### Analyze

State-of-the-art on-board data processing makes it easy to process, analyze 1-D, 2-D and multi-spectra data.

Spectra are saved as standard .jdx files and are compatible with many third-party software tools.

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# NMReady-60Pro

## TECHNICAL SPECIFICATIONS

<b>Operating Frequency:</b>	60 MHz (1.4 T)
<b>Magnet:</b>	Permanent, no cryogenes
<b>User Interface:</b>	Built-in Touchscreen
<b>Nuclei:</b>	Dual mode: $^1\text{H}$ , $^7\text{Li}$ , $^{11}\text{B}$ , $^{13}\text{C}$ , $^{19}\text{F}$ , $^{31}\text{P}$
<b>Lock:</b>	Deuterium & non-deuterium options
<b>Sample:</b>	Standard 5 mm NMR tube
<b>Compatibility:</b>	JCAMP-DX, MNova, LabVIEW
<b>Resolution &amp; Lineshape:</b>	Line width at 50%: <1 Hz
<b>Sensitivity:</b>	100 : 1 (EtBz 1% signal scan)
<b>Stray Field:</b>	5 Gauss line within enclosure
<b>Operating Temperature:</b>	18-26 °C
<b>Power Supply:</b>	100-240 VAC, 50-60 Hz
<b>Dimensions:</b>	11.8 x 11.0 x 19.2" 30 x 28 x 49 cm
<b>Weight:</b>	55 lbs/25 kg

For more information please visit:

[www.nanalysis.com](http://www.nanalysis.com)

Or contact us directly:

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