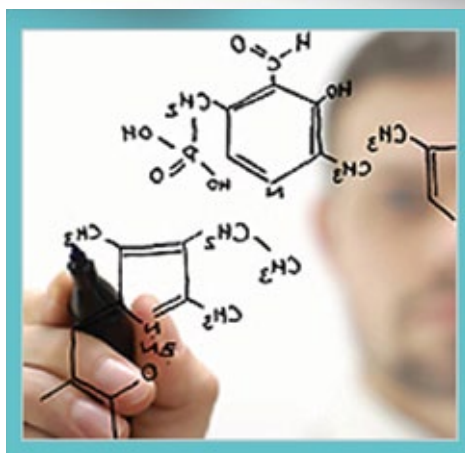


Compact NMR for your bench-top

NMRReady-60e



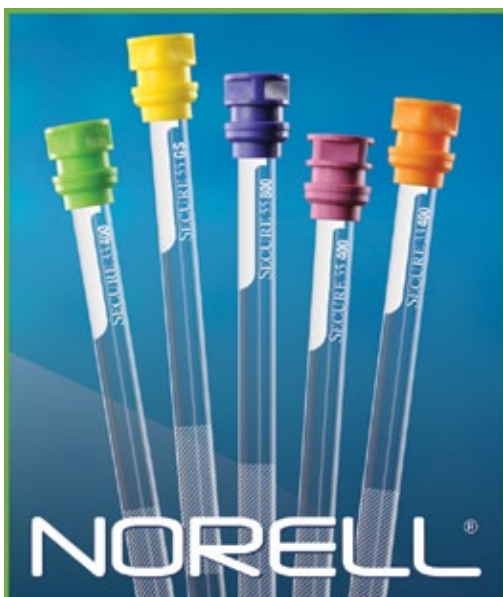
nanalysis
NORELL

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

Nanalysis' NMReady is the only available all-in-one benchtop NMR Spectrometer in its class. With the magnet, the electronics and the computer in one enclosure it is light-weight, easy-to-site but can withstand the rigors of a busy laboratory environment.



ROBUST
COMPACT
PORTABLE

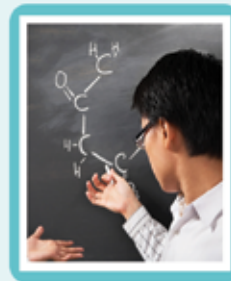


Nanalysis recommends **NORELL** NMR tubes.

TRAINING TOOL

NMR Spectroscopy is the most commonly used characterization technique by chemical researchers, yet NMR spectrometers are often inaccessible to undergraduates.

Benchtop NMR offers an affordable way to overcome barriers that prevent access to NMR, empowering students at any level to develop their experimental skills.



- ✓ prepare samples in 5 mm NMR tubes
- ✓ customize NMR experiments - e.g., 1D, COSY, T₁, T₂
- ✓ acquire personal NMR data
- ✓ process NMR spectra
- ✓ monitor & assess reaction completeness
- ✓ determine purity and/or relative composition
- ✓ elucidate molecular structures

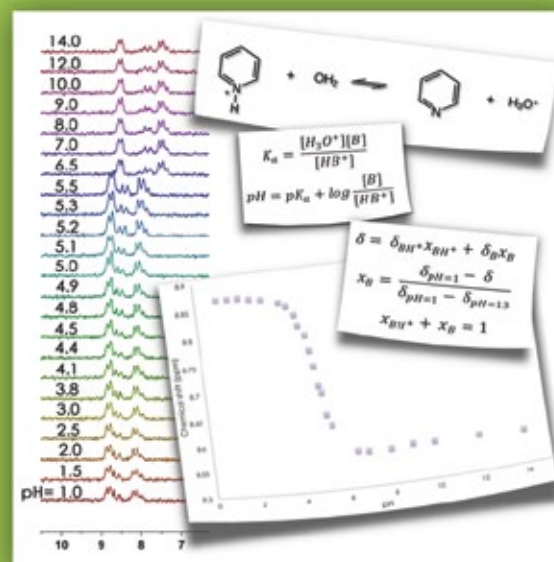
GUIDED-INQUIRY— LABORATORY EXPERIMENTS



The NMReady-60e can supplement virtually any curriculum - possibilities range from structural identification & elucidation to understanding important reaction parameters to kinetics.

This easy-to-use spectrometer also offers the opportunity to introduce new experimental techniques (e.g., NMR tube reactions) and highlight important concepts.

The determination of the pK_a of pyridine is shown here.



The NMReady-60e does not require cryogenics or weekly $N_2(g)$ or $He(g)$ fills. This state-of-the-art bench-top spectrometer is made of permanent magnets and can be plugged into standard wall power.

It uses 5 mm NMR tubes and typical sample volumes, making sample preparation simple and fast without introducing additional steps like flushing and/or injection.

Innovative precautions built-in to the NMReady-60e reduce the time required to get the instrument back online after a broken NMR tube.



LOW MAINTENANCE

ACCESSIBLE AND SECURE DATA

- ✓ USB
- ✓ Ethernet
- ✓ Wi-Fi
- ✓ PIN protected
- ✓ Standard .jdx files



The NMReady-60e was streamlined specifically with academic teaching in mind. With technical specifications and experiments outlined to maximize utility while minimizing operation time.

Sample preparation is fast and easy with conventional 5 mm NMR tubes.

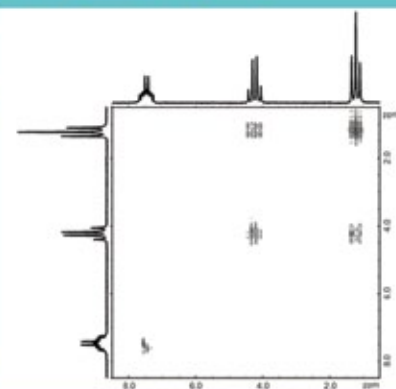
The onboard touchscreen, easy-to-use interface and superior sensitivity facilitates rapid data collection.

The first scan is displayed and updated every 4 additional scans.

The state-of-the-art software makes data analysis trivial with simple 1-D, 2-D and multi-spectrum processing parameters.



Data can be easily accessed, exported and/or printed through multiple connectivity options. Spectra are saved as standard .jdx files and are compatible with many third-party software tools.



QUICK AND EASY TO USE

NMReady-60e

TECHNICAL SPECIFICATIONS

Operating Frequency:	60 MHz (1.4 T)
Magnet:	Permanent, no cryogenes
User Interface:	Built-in Touchscreen
Nuclei:	^1H , ^{19}F , $^1\text{H}/^{19}\text{F}$
Lock:	Deuterium & non-deuterium options
Sample:	Standard 5 mm NMR tube
Compatibility:	JCAMP-DX, MNova, LabView
Resolution & Lineshape:	Line width at 50%: 1.2 Hz
Sensitivity:	40 : 1 (EtBz 1% signal scan)
Stray Field:	5 Gauss line within enclosure
Operating Temperature:	18-26 °C
Power Supply:	100-240 VAC, 50-60 Hz
Dimensions:	11.8 x 11.0 x 19.2" 30 x 28 x 49 cm
Weight:	55 lbs/25 kg

For more information please visit:

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Or contact us directly:

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phone: 1.855.NMReady

twitter: @Nanalysis



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