

# NMReady-60e

## TECHNICAL SPECIFICATIONS

Operating Frequency:	60 MHz (1.4 T)
Magnet:	Permanent, no cryogenics
User Interface:	Built-in Touchscreen
Nuclei:	$^1\text{H}$ or $^{19}\text{F}$
Lock:	Deuterium & non-D options
Sample:	5 mm NMR tubes & flow options
Compatibility:	JCAMP-DX, Mnova, ACD/Labs, Delta, TopSpin, LabView
Lineshape:	LW(50%) 1.0 Hz
Sensitivity:	100 : 1 (1% EtBz single scan)
Stray Field:	2 Gauss line contained 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:

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

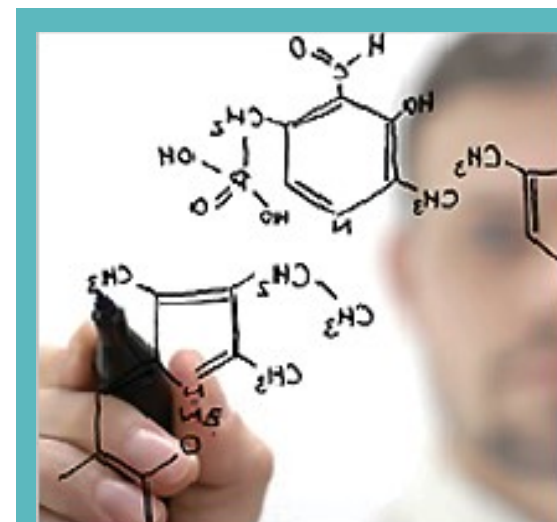


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specifications are subject to change without notice

## Compact NMR for your benchtop

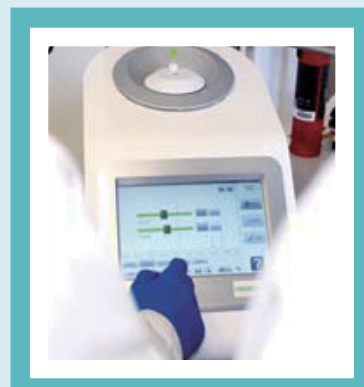
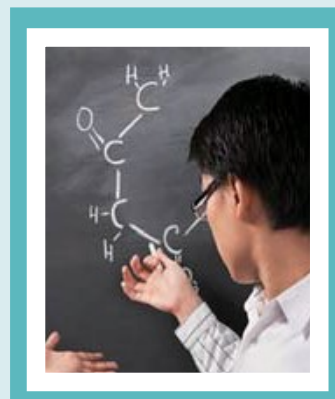




# TRAINING TOOL

The NMReady-60e can easily address one of the most important components of teaching NMR – gaining access to an NMR spectrometer.

**Empower students at any level to develop their experimental skills by incorporating hands-on access to NMR directly in your laboratory class.**



- ✓ Fast data acquisition – get high quality NMR spectra in as little as 4 seconds!
- ✓ Prepare samples in standard 5mm NMR tubes
- ✓ Load & manipulate parameters for many NMR experiments (e.g., 1D, COSY, JRES,  $T_1$ ,  $T_2$ )
- ✓ Personally acquire & process NMR spectra
- ✓ Monitor & assess reaction completeness
- ✓ Determine purity and/or relative composition

Nananalysis' NMReady-60e is the only available all-in-one benchtop NMR spectrometer in its class. With the magnet, the electronics and the computer in a single enclosure it is a lightweight, easy-to-site instrument that can withstand the rigors of a busy laboratory environment.



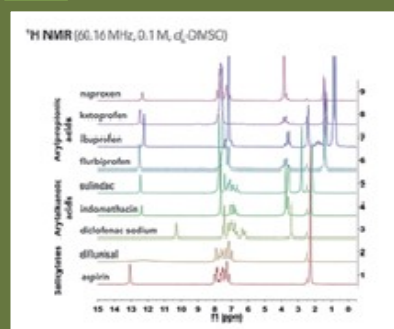
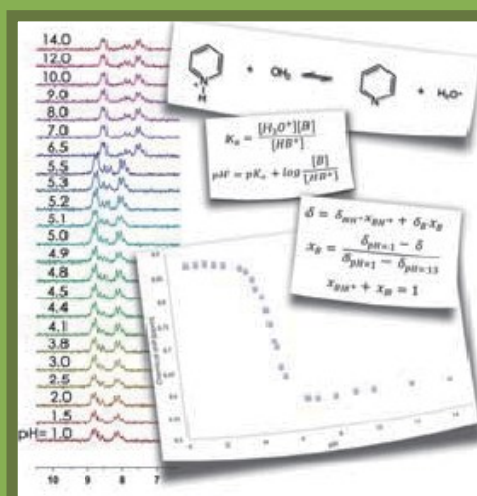
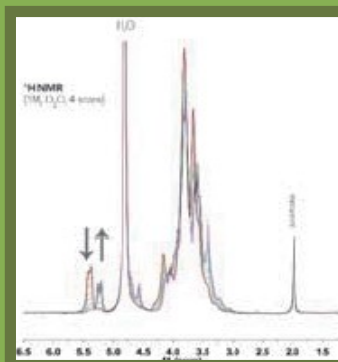
ROBUST  
COMPACT  
PORTABLE

# GUIDED-INQUIRY LABORATORY EXPERIMENTS



The NMReady-60e can supplement virtually any organic, inorganic, analytical, biochemistry or pharmacy curriculum.

- ✓ structural identification/elucidation
- ✓ assess stereoselectivity
- ✓ monitor and assess reaction completeness
- ✓ quantification
- ✓ understand meaning of key acquisition parameters



**Convenient automated and standby  
shimming routines ensure that the  
instrument is always ready for use.**

Liquid He or N<sub>2</sub> are not required.

No preventative maintenance is necessary as there are no moving parts.

**Standard sample preparation in any 5 mm NMR tube.**

Requires only mains power access – no other siting requirements.



## LOW MAINTENANCE

# ACCESSIBLE AND SECURE DATA

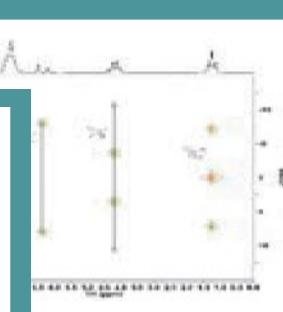
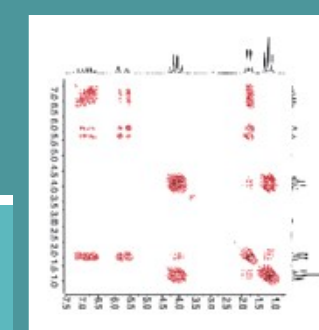
- ✓ Process locally
- ✓ Print
- ✓ Save
  - Local
  - USB
  - Ethernet network
  - Wi-Fi network
- ✓ Process in 3<sup>rd</sup> party software with standard JCAMP-DX files



High-resolution, good lineshape, superior sensitivity and rapid scan time allow you to acquire NMR data rapidly.



- ✓ Built-in touchscreen, no additional computer required but can be used if desired:
  - Windows, Mac, Linux compatible
- ✓ Intuitive interface makes acquiring 1D or 2D NMR simple
- ✓ The state-of-the-art software makes data analysis trivial with simple 1D, 2D and multi-spectral processing parameters including:
  - phase, baseline correction, apodization, reference, manual integration etc.



All acquired spectra are saved as standard JCAMP-DX files and are compatible with most third-party software tools.

## QUICK AND EASY-TO-USE