

Compact NMR for your benchtop

TECHNICAL SPECIFICATIONS


Operating Frequency:	60 MHz (1.4 T)
Magnet:	Permanent, no cryogenics
User Interface:	Built-in Touchscreen
Nuclei:	^1H or ^{19}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/25kg



For more information please visit:

www.nanalysis.com

Or contact us directly:

 1.855.NMReady

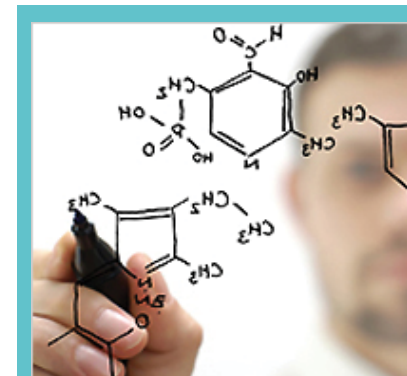


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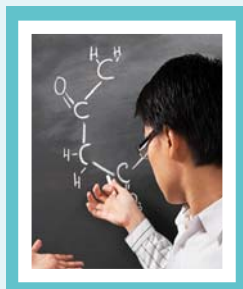
specifications are subject to change without notice



TRAINING TOOL

The NMRReady-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, T₁, T₂)
- ✓ Personally acquire & process NMR spectra
- ✓ Monitor & assess reaction completeness
- ✓ Determine purity and/or relative composition

Nanalysis' NMRReady-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 light-weight, easy-to-site instrument that can withstand the rigors of a busy laboratory environment.



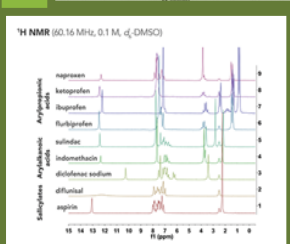
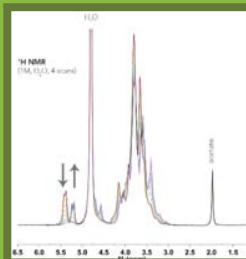
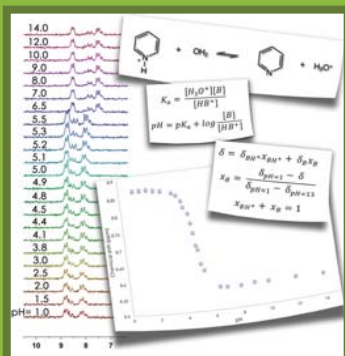
ROBUST COMPACT PORTABLE

GUIDED-INQUIRY- LABORATORY EXPERIMENTS



The NMRReady-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 N₂ 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 3rd party software with standard JCAMP-DX files



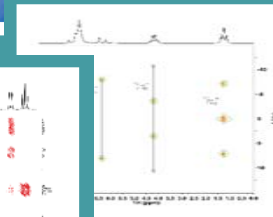
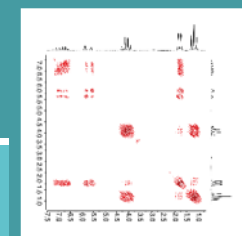
High-resolution, good lineshape, superior sensitivity and rapid scan time allow you to acquire NMR data rapidly.



- ✓ 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