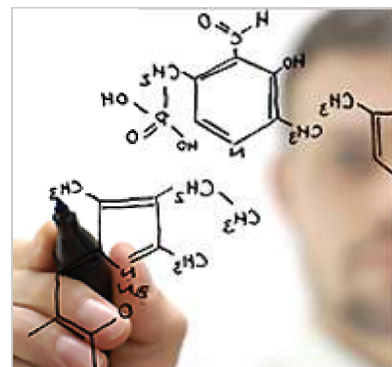


NMReady 60e

Supplied By



www.gpescientific.co.uk
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+44 (0) 1525 382277



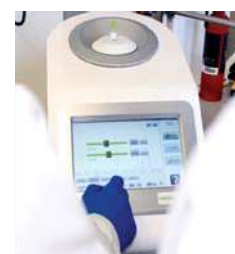
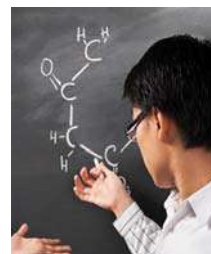
Compact NMR for your benchtop

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/25 kg

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



GUIDED-INQUIRY LABORATORY EXPERIMENTS



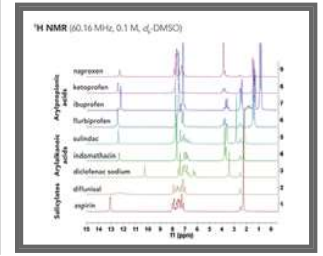
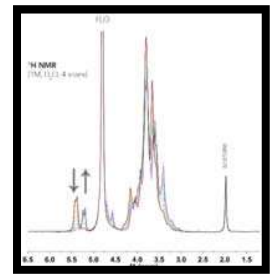
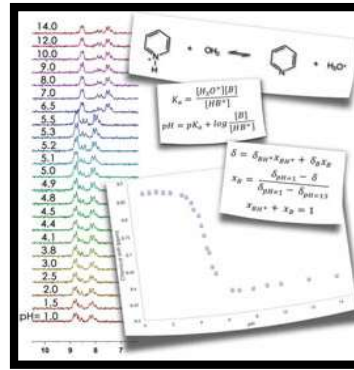
The NMReady-60e can supplement virtually any organic, inorganic, analytical, biochemistry or pharmacy curriculum.

Structural identification/elucidation

Assess stereoselectivity, monitor and assess reaction completeness

Quantification

Understand meaning of key acquisition parameters



QUICK AND EASY-TO-USE

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.

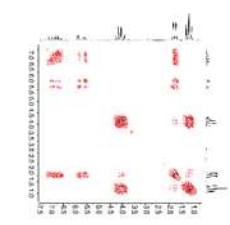
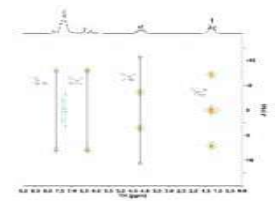
The state-of-the-art software makes data analysis trivial with simple 1D, 2D and multi-spectral processing parameters including:

- 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.

ACCESSIBLE & SECURE DATA

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



**ROBUST
COMPACT
PORTABLE**

Nanalysis' 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.



Low Maintenance

The permanent magnet does not require cryogenics, weekly servicing or preventative maintenance.

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



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