NMReady-60e

TECHNICAL SPECIFICATIONS

Operating Frequency: 60 MHz (1.4 T)
Magnet: Permanent, no cryogens
User Interface: Built-in Touchscreen
Nuclei: 1H, 19F, 1H/19F
Lock: Deuterium & non-deterium options
Sample: Standard 5 mm NMR tube
Compatibility: JCAMP-DX, MNova, ACD/Labs, Delta, 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: www.nanalysis.com

Or contact us directly:

email: sales@nanalysis.com
phone: 1.855.NMReady
twitter: @Nanalysis

specifications are subject to change without notice
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 - 1D, COSY, JRES, T1, T2
- acquire NMR data personally
- process NMR spectra
- monitor & assess reaction completeness
- determine purity and/or relative composition
- elucidate molecular structures

ACCESSIBLE AND SECURE DATA

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

LOW MAINTENANCE

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

ROBUST COMPACT PORTABLE

Nanalysis’ NMReady 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 lightweight, easy-to-site instrument that can withstand the rigors of a busy laboratory environment.

GUIDED-INQUIRY LABORATORY EXPERIMENTS

The NMReady-60e can supplement virtually any organic, inorganic, analytical, biochemistry or pharmacy curriculum - possibilities range from structural identification and/or elucidation to quantification to understanding important reaction parameters to kinetics.

This easy-to-use spectrometer also offers the opportunity to introduce new experimental techniques and highlight important concepts.

The determination of the pK\textsubscript{a} of pyridine is shown here.

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.