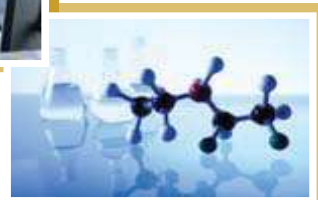


# NMRReady 60 PRO

Supplied By



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## High Performance Multinuclear Compact NMR Spectrometer

### TECHNICAL SPECIFICATIONS

Operating Frequency:	60 MHz (1.4 T)
Magnet:	Permanent, no cryogenes
User Interface:	Built-in touchscreen or Windows, Mac or Linux compatible
Nuclei:	Dual-tuned: e.g., $^1\text{H}/^{13}\text{C}$ , $^1\text{H}/^{31}\text{P}$ , $^1\text{H}/^{19}\text{F}$ , $^1\text{H}/^{11}\text{B}$ , $^{19}\text{F}/^7\text{Li}$ , please inquire for more
Lock:	Deuterium & non-deuterium options
Sample:	Standard 5 mm NMR tubes, low options
Compatibility:	JCAMP-DX, Mnova, ACD/Labs, Delta, Topspin, LabView
Resolution & Lineshape:	$\text{LW}(50\%) \leq 1.0 \text{ Hz}$
Sensitivity:	100 : 1 (1% EtBz single scan)
Stray Field:	2 Gauss line contained within enclosure
Operating Temperature:	18-26 °C
	100-240 VAC, 50-60 Hz
	11.8 x 11.0 x 19.2"
	30 x 28 x 49 cm
	55 lbs/25kg

### MULTINUCLEAR CAPABILITIES

Each NMRReady-60 PRO is a factory dual-tuned spectrometer. It can acquire spectra for two conventional spin active nuclei, thus enhancing its utility for characterizing a broad range of natural and synthetic complexes. Inquire for possible combinations of:

$^1\text{H}$ ,  $^7\text{Li}$ ,  $^{11}\text{B}$ ,  $^{13}\text{C}$ ,  $^{15}\text{N}$ ,  $^{19}\text{F}$ ,  $^{29}\text{Si}$ ,  $^{31}\text{P}$ ,  $^{129}\text{Xe}$

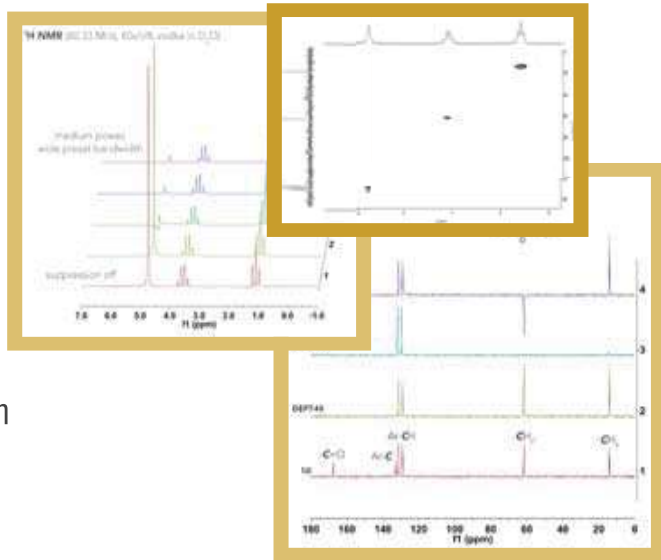


# PULSE PROGRAMS

The NMReady-60 PRO allows the user to load/customize pre-existing NMR experiments from a series of relaxation, 1D, homo- and hetero-nuclear 2D experiments, including, but not limited to:

- ✓ COSY
- ✓ JRES
- ✓ TOCSY
- ✓ Decoupling
- ✓ DEPT trio
- ✓ APT
- ✓ HSQC/HETCOR
- ✓ HMBC
- ✓ Solvent suppression

Please inquire about experiment packages or our experiment designer.



# QUICK AND EASY-TO-USE

Improve work flow and increase research productivity with this revolutionary, high-performance 60 MHz NMR spectrometer that is easily incorporated into a laboratory management system.

## Load, Customize or Design Experiments

In addition to loading existing NMR experiments, the user can also design their own multi-pulse, multi-channel experiments, specifying pulse widths, pulse power, evolution and mixing intervals.

## Create Projects

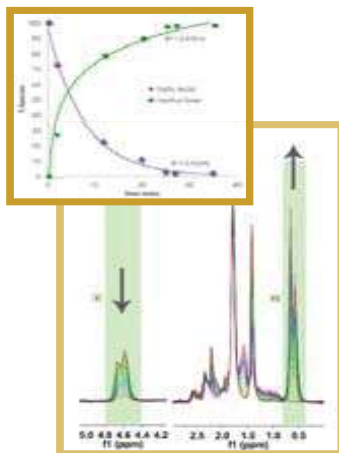
Routine data collection can be simplified with secure, individual user logins and loadable experiments routines that can be modified or preset by site administration.

# SIMPLE REACTION MONITORING

With the optional kinetics module, a user can automatically collect multi-spectra data over a set time interval.

Reaction monitoring, speciation plots are elementary with straightforward, onboard software for manual integration cuts and plotting functions.

Data can also be easily saved, printed, exported and processed using third party processing software tools.



## ACCESSIBLE & SECURE DATA

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

## 1 CONFIGURE

Experiments are selected from simple drop down menus and loaded with standard acquisition parameters. These can be modified as desired from a series of convenient pop-up menus.

## 2 ACQUIRE

Once configured, data is collected by merely selecting 'Go'. Each scan is collected in seconds, depending on acquisition parameters. The first scan is displayed and updated every additional four scans.

## 3 ANALYZE

State-of-the-art onboard data processing makes it easy to process and analyze 1D, 2D spectra on the instrument. Additionally spectra are saved as standard JCAMP-DX files and are compatible with many third-party software tools.



Safe  
2 Gauss line contained within enclosure.



Conventional Sample Preparation  
The NMReady is compatible with standard 5mm NMR tubes & typical NMR sample volumes.



Energy Efficient  
The NMReady plugs into standard outlets, consumes minimal power & can be set to 'power-save' when not in use.



Compact and Portable  
The NMReady is the only all-in-one benchtop NMR spectrometer. It is easy to site with its small footprint & lightweight package.



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.