

NMReady-60PRO

TECHNICAL SPECIFICATIONS

Operating Frequency: 60 MHz (1.4 T)

Magnet: Permanent, no cryogenics

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, flow 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

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


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Specifications are subject to change without notice



NMReady-60PRO

High Performance Multinuclear
Compact NMR Spectrometer





MULTINUCLEAR CAPABILITIES



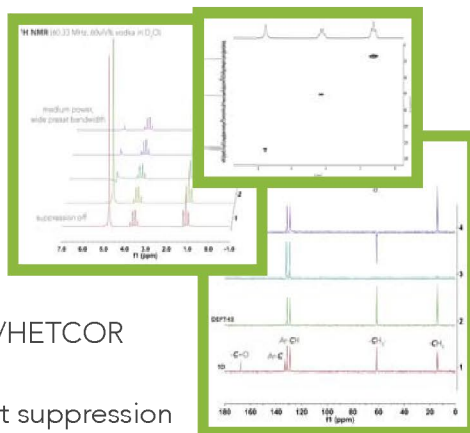
Each NMReady-60PRO is a factory dual-tuned spectrometer. It can acquire spectra for two conventional spin active nuclei, thus enhancing its utility for characterizing a broad range of natural and synthetic complexes. Inquire for possible combinations of:

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

PULSE PROGRAMS

The NMReady-60PRO 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



QUICK AND EASY-TO-USE

Improve workflow 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.

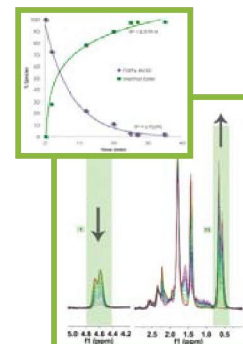


SIMPLE REACTION MONITORING

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, on-board 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 3rd 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 on-board 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 most third-party software tools.

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SUPERIOR PERFORMANCE



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.



Energy Efficient

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



Conventional Sample Preparation

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



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.



Safe

2 Gauss line contained within enclosure.