

LOW-GAMMA ACCESSORY



The Low-Gamma Accessory is fully compatible with all Phoenix HXY, HX, and MAS-DNP probes, and extends your Phoenix NMR probe tuning from the standard low-band frequency of ^{15}N to as low as 8 MHz*. The Low-Gamma kit is also available to fit existing Varian and Agilent T3 probes as a special order product. The standard accessory includes everything required to increase your probe's lowest frequency range.

The Low-Gamma Accessory adds the following capabilities:

- Extends the tuning range as low as 8 MHz in double or triple resonance mode.
- Minimizes magneto acoustical ringing in double resonance mode by relocating all fixed capacitors in the probe circuit from the high magnetic field inside the magnet to the low-gamma tuning box located outside of the magnet.
- With low-gamma accessory in place, the probe continues to function as an HX or HXY probe. (Drawing above shows the accessory blocking the X-channel and H-channel connectors, but the accessory allows those channels to be operational).

Low-Gamma Compatibility Table

400-700MHz Phoenix probes	^{15}N to ~8 MHz *	Standard order
750-900MHz Phoenix probes	^{15}N to ~8 MHz *	Special order
Varian/Agilent T3 probes	^{15}N to ~8 MHz *	Special order

PHOENIX PROBE TO SYSTEM ADAPTORS

The Phoenix NMR probe uses connectors that best suit the needs of our probes. We also understand that there are a lot of legacy systems with many different types of connectors currently being used. Phoenix probe adaptor kits are available to interface Phoenix probes to Varian, Agilent, JEOL, and Bruker NMR systems. The adaptor kits connect the Phoenix probe to the existing NMR system and controllers for a seamless installation. Some NMR systems may require additional external filters, depending on instrument design and isolation.