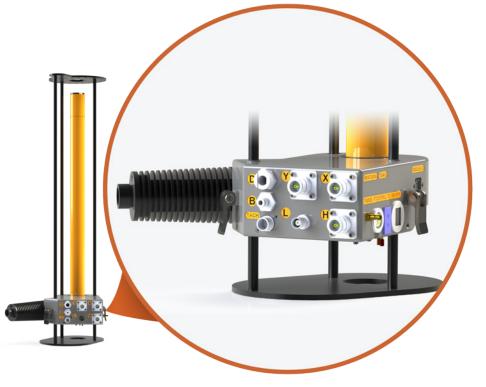


Elevating your science

PHOENIX PROBE BASE

The Probe Base Module, when used with a Probe Head Module, makes up a complete Phoenix NMR Premium probe. The user interface for magic angle adjust is housed in the base module, as well as all electrical and gas connections such as the spinning tachometer, VT



control, and RF which can be adapted to a wide variety of spectrometer manufacturers. The probe base also contains an anti-frost VT system which eliminates the need for additional hardware while delivering a temperature range of -125°C to +200°C depending on the probe head module material. The X and Y channel tune adjusts and the tuning tubes allow for the broadband tuning of nuclei from ³¹P down to ¹⁴N in most NMR field and module configurations. Because the Proton tune assembly is installed in the base, the base is frequency-specific and can be used with any Phoenix NMR probe head of the same Proton frequency.

(H-F) or (H&F) Option: We have developed an innovative new ¹H tuning design that allows a user to tune in a traditional mode to ¹H or ¹⁹F. Alternatively this mechanism will allow the user to also tune, pulse, and observe in an H&F simultaneous mode.

If H&F simultaneous capability is not needed or anticipated, then the standard ¹H or ¹⁹F tuning assembly would be a better choice for ease of use. A Phoenix HXY Premium Probe can be modified later to add H&F simultaneous capability.

