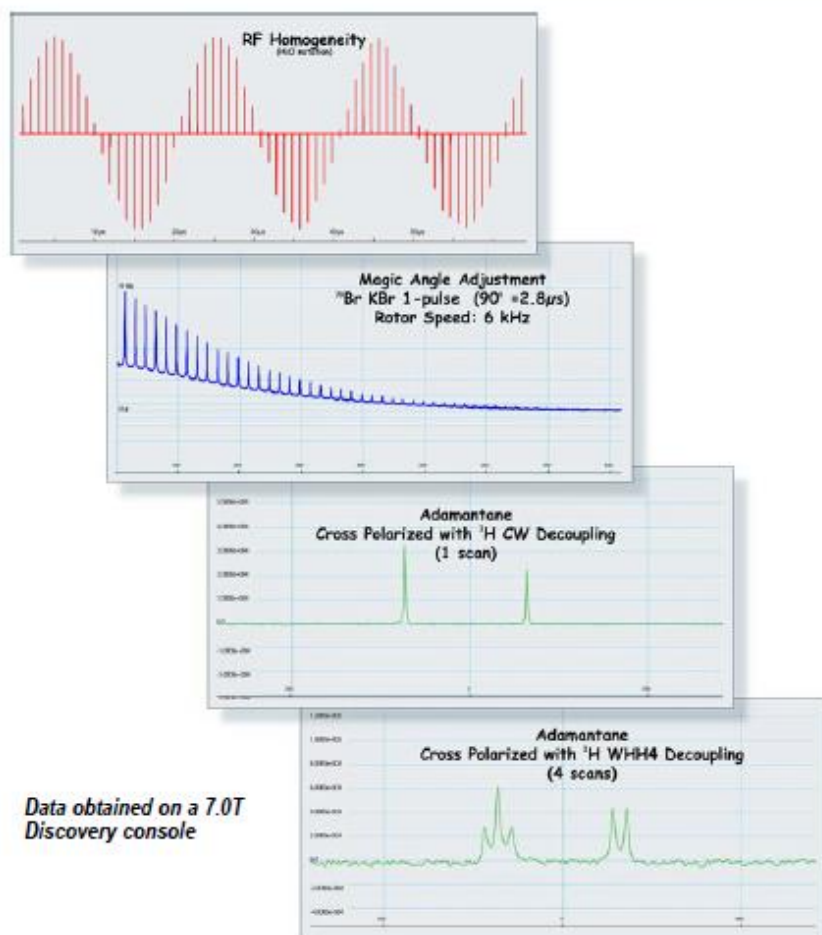


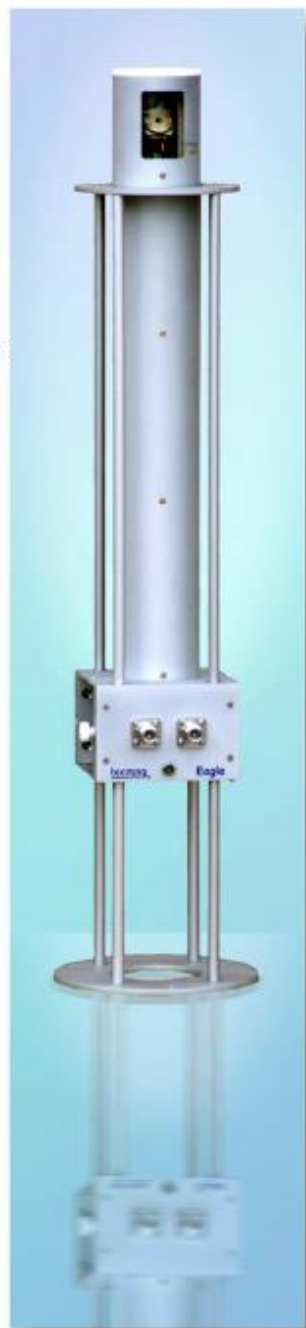
EAGLE

4mm ^1H - $^{19}\text{F}/\text{X}$ Solid-State MAS Probe

The Eagle™ is a 4 mm ^1H - $^{19}\text{F}/\text{X}$ solid-state MAS probe with a top spinning speed of 18 kHz. Its simple design is robust, reliable and easy to spin. Configurations are available for 200 to 600 MHz widebore magnets on Tecmag, Bruker, Chemagnetics, JEOL and Varian spectrometers.



Data obtained on a 7.0T
Discovery console

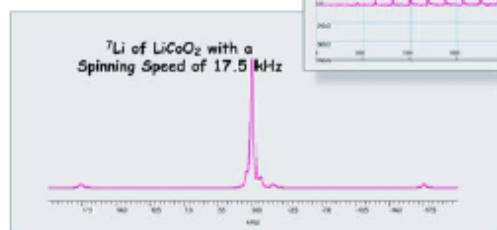
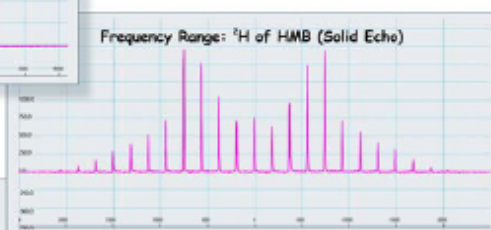
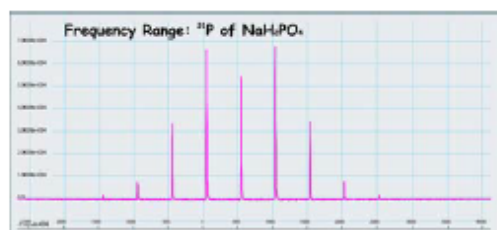


Tecmag, Inc.
10161 Harwin Dr., Suite 150
Houston, TX 77036

713-667-8747
info@tecmag.com
www.tecmag.com

EAGLE

4 mm MAS Probe



Data obtained on a 7.0T
Discovery console



Spinning Speed: 1.5 kHz to 18 kHz at 25°C (Nitrogen Gas)

90° Pulse ^1H : 2.0 μs (310 W at 25°C)

90° Pulse X: 2.2 μs (220 W at 25°C)

Maximum Power ^1H : 400W (<100ms); 500 W (<10 ms)

Maximum Power X: 800 W

Tuning Range: 7.0 T ^{17}O - ^{27}Al or ^{13}C - ^{31}P

^{19}F - ^1H : 281 - 305 MHz
Optional: ^{15}N plug-in

9.4 T ^{17}O - ^{27}Al or ^{13}C - ^{31}P

^{19}F - ^1H : 375 - 405 MHz
Optional: ^{15}N plug-in

11.7 T ^{15}N - ^2H or ^2H - ^{13}C or ^{13}C - ^{31}P

^{19}F - ^1H : 469 - 505 MHz

14.1 T ^{15}N - ^2H or ^2H - ^{13}C or ^{13}C - ^{31}P

^{19}F - ^1H : 563 - 605 MHz

VT Range: -30°C to 130°C
with Nitrogen Gas

Robust and Clean Design

Probe Lift

Manual Sample Eject

Compatible with any 89 mm Bore Magnet

Sample Volume: 100 μl

Magic Angle Adjustment: < 0.03°

Rotor Kit: 3 Zirconium Rotors

Options:

Spin-Rate Monitor: 1 Hz Resolution

Power AC 96-260V, 50-60Hz

Additional Rotors



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