



CapNMR™ probe

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| Nuclei | $^1\text{H}\{^{13}\text{C}, ^{15}\text{N}\}/^2\text{H}$ lock |
| ^1H Frequency | 600 MHz |
| Gradient | z-Directed |
| NMR Flowcell | 10 μL , EOF |
| Fluidic Connectors | Hastalloy unions compatible with all known NMR solvents and designed to accommodate standard 1/16" and 1/32" o.d. tubing (5% CHCl_3 in acetone- d_6 , stopped flow, flowcell filled, LB=0) |
| Resolution/Lineshape (^1H) | |
| | 50% < 1 Hz |
| | 0.55% < 10 Hz |
| | 0.11% < 20 Hz |
| Proton 90° Pulse Width (2 W) | $\leq 6 \mu\text{s}$ |
| Indirect Detect Carbon 90° Pulse Width (5 W) | $\leq 15 \mu\text{s}$ |
| Indirect Detect Nitrogen 90° Pulse Width (30 W) | $\leq 35 \mu\text{s}$ |
| VT Control* (gas source supplied by customer) | 0 - 50 °C |

Proton Signal to Noise

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| 10 mM sucrose in 100% D_2O with 0.1 mM NaN_3 , quantity sufficient to overfill flowcell. Anomeric proton. LB=0.7 Hz. | > 43:1 single scan |
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RF connectors

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| | BNC or N |
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RF Homogeneity (450°/810°)

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| | 75%/50% |
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Gradient Specifications

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|-----------------------------------|-----------|
| Strength: (typical) | 35 G/cm/A |
| Maximum recommended duty cycle | < 10 % |
| Maximum recommended drive current | < 10 A |

* For Bruker and JEOL systems, probe interfaces to spectrometer manufacturer's heater, supplied by customer