



## CapNMR™ probe

<b>Nuclei</b>	$^1\text{H}\{^{13}\text{C}\}/^2\text{H}$ lock	
<b><math>^1\text{H}</math> Frequency</b>	500 MHz	
<b>Gradient</b>	z-Directed	
<b>NMR Flowcell</b>	10 $\mu\text{L}$	
<b>Fluidic Connectors</b>	Hastalloy unions compatible with all known NMR solvents and designed to accommodate standard 1/16" and 1/32" o.d. tubing (5% $\text{CHCl}_3$ in acetone- $d_6$ , stopped flow, flowcell filled, LB=0)	
<b>Resolution/Lineshape (<math>^1\text{H}</math>)</b>	50%	< 1 Hz
	0.55%	< 10 Hz
	0.11%	< 20 Hz
		$\leq 5 \mu\text{s}$
<b>Proton 90° Pulse Width</b>		$\leq 15 \mu\text{s}$
<b>Indirect Detect Carbon 90° Pulse Width</b>		0 - 50 °C
<b>VT Control*</b> (gas source supplied by customer)		

### Proton Signal to Noise

10 mM sucrose in 100% $\text{D}_2\text{O}$ with 0.1 mM $\text{NaN}_3$ , quantity sufficient to overfill flowcell. Anomeric proton. LB=0.7 Hz.	> 35:1 single scan
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### RF connectors

	BNC
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### RF Homogeneity (450°/810°)

75%/50%

### Gradient Specifications

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