



CapNMR™ probe

Nuclei	$^1\text{H}\{^{13}\text{C}, ^{15}\text{N}\}/^2\text{H}$ lock
^1H Frequency	500 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

10 mM sucrose in 100% D_2O with 0.1 mM NaN_3 , quantity sufficient to overfill flowcell. Anomeric proton. LB=0.7 Hz.	> 31:1 single scan
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RF connectors

	BNC or N
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RF Homogeneity (450°/810°)

	75%/50%
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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