



## CapNMR™ probe

**Nuclei**

$^1\text{H}\{^{13}\text{C}\}/^2\text{H}$  lock

**$^1\text{H}$  Frequency**

400 MHz

**Gradient**

z-Directed

**NMR Flowcell**

5  $\mu\text{L}$ , 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%  $\text{CHCl}_3$  in acetone- $\text{d}_6$ , stopped flow, flowcell filled, LB=0)

**Resolution/Lineshape ( $^1\text{H}$ )**

50%	< 1 Hz
0.55%	< 10 Hz
0.11%	< 20 Hz

**Proton 90° Pulse Width**

$\leq 5 \mu\text{s}$

**Indirect Detect Carbon 90° Pulse Width**

$\leq 15 \mu\text{s}$

**VT Control\*** (gas source supplied by customer)

0 - 50 °C

**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.	> 18:1 single scan
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**RF connectors**

BNC

**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