



CapNMR™ probe

Nuclei

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

^1H Frequency

400 MHz

Gradient

z-Directed

NMR Flowcell

10 μL

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

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

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% D_2O with 0.1 mM NaN_3 , quantity sufficient to overfill flowcell. Anomeric proton. LB=0.7 Hz.	> 24:1 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