

NMR Probe Specifications

Model:	JEOL 10mm 600MHz broadband high resolution NMR probe NM-03450TH10		
Description:	Broadband observe high resolution NMR probe for 10mm sample tubes on 600MHz standard bore magnets. The inner coil can be tuned to observe from ^{31}P to ^{15}N . The outer coil may be tuned from ^1H . The probe is fitted with a ^2H lock. The probe includes one (1) variable temperature compatible sample spinner.		
Specifications:	Signal-to-Noise		
	^{13}C sensitivity	$\geq 950:1$	ASTM [†]
	^{31}P sensitivity	$\geq 460:1$	0.0485M TPP
	^{15}N sensitivity	$\geq 90:1$	90% Formamide w/o NOE
	Pulse Widths		
	^{13}C pulse width	$\leq 15 \mu\text{s}$	@200W
	^{31}P pulse width	$\leq 20 \mu\text{s}$	@150W
	^{15}N pulse width	$\leq 30 \mu\text{s}$	@200W
	Lineshape		
	^{13}C spinning lineshape	$\leq 3/5 \text{ Hz}$	ASTM (0.55%/0.11%)
	Spinning Sidebands (SSB)	$\leq 1\%$	
	Resolution		
	^{13}C resolution	$\leq 0.2 \text{ Hz}$	ASTM
	Variable Temperature		
	Variable temperature range is -100°C to $+150^\circ\text{C}$		