

Operating Instructions for the Probe PH MASDVT850W6 BL3.2 X/Y/H (H13888/0001)

1. Table of available X/Y combinations

X/Y-combination	X	Y	Modification mode
	f/MHz	f/MHz	
$^{13}\text{C}/^{15}\text{N}-^2\text{H}$	213.7	86.0 – 130.5	serial-C in and $\lambda/4$ -mode (screw in)
$^{13}\text{C}/^{14}\text{N}$	213.7	61.4	with range coil ; serial C out and $\lambda/4$ -mode at ^{14}N -position
$^{23}\text{Na}/^{15}\text{N}-^2\text{H}$	224.8	86.0 – 130.5	serial C in and $\lambda/4$ -mode
$^{23}\text{Na}/^{29}\text{Si}$	224.8	168.9	serial C in and $\lambda/2$ -mode (screw out)
$^{23}\text{Na}/^{14}\text{N}$	224.8	61.4	with range coil ; serial C out and $\lambda/4$ -mode at ^{14}N -position
$^{27}\text{Al}/^{14}\text{N}-^{29}\text{Si}$	221.5	61.4 – 168.9	the same modifications as ^{23}Na
$^{29}\text{Si}/^{15}\text{N}-^2\text{H}$	168.9	86.0 – 130.5	serial-C in and $\lambda/4$ -mode (screw in)
$^{11}\text{B}/^{17}\text{O}-^{29}\text{Si}$	272.7	115.2 – 168.9	serial-C in and $\lambda/2$ -mode (screw out)

Note:

In all ^{14}N – experiments on the Y – channel it is necessary to install a range coil as shown in Figure 1. In addition, remove the serial capacitor on the top of the transmission line (see Fig.2 and 3) and set the $\lambda/4$ – short circuit screw to the ^{14}N position, labeled with the arrows ($\rightarrow^{14}\text{N} \leftarrow$) in Figure 4.

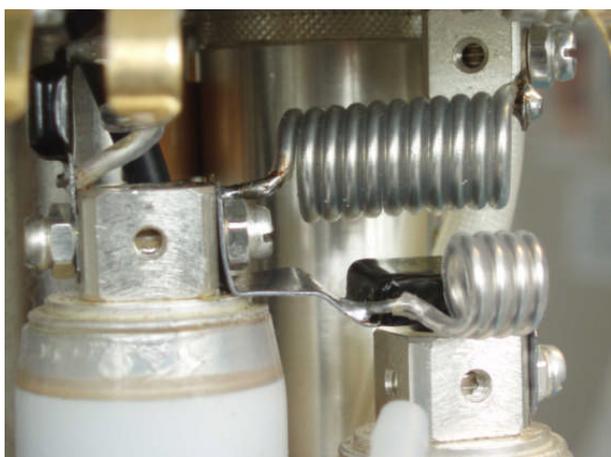


Figure 1



Figure 2



Figure 3



Figure 4