SENIS HALL PROBES – QUALITATIVE COMPARISSON MATRIX

	C	H	K	L	SP	A	SHP	S	K3A-P/C	AGP Available Q4/26
USPs	Robust, compact,	Thin, long	Thin, long, naked Si chip	Thin, long, naked Si chip	Closest distance to magnet	Robust for industry	Sliding probe (in contact)	Undulator, ultra high resolution,	3D Hall Cryogenic probe, 1K	Thinnest, for air gaps 0.5mm
Small Size	● ● ●	● ● ● ●	● ● ● ●	● ● ● ●	●	● ●	●	●	● ● ● ●	● ● ● ● ●
Distance to FSV	● ● ●	● ● ●	● ● ● ●	● ● ● ●	● ● ● ●	● ●	● ● ●	● ●	●	● ● ● ● ●
Transducer	● ● ●	● ● ●	● ● ●	●	●	● ● ●	●	●	●	● ●
Mapper	-	✓	✓	-	-	-	✓	-	-	✓
Robust Package	● ● ●	● ●	●	●	● ●	● ● ● ●	● ● ● ●	● ●	● ● ● ●	●
Operating T°	● ● ● ●	● ● ●	● ● ●	● ● ●	● ●	● ●	● ●	●	● ● ● ● ●	● ● ●
Accuracy	● ● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ●	●	● ●
Resolution	● ●	● ●	●	●	●	●	●	● ● ●	● ● ●	●
Bandwidth	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ● ●	● ●	●	●	● ●

SENIS HALL PROBES – QUANTITATIVE COMPARISSON MATRIX

	C	H	K	L	SP	A	SHP	S	K3A-P/C	AGP Available Q4/26
USPs	Robust, compact,	Thin, long	Thin, long, naked Si chip	Thin, long, naked Si chip	Closest distance to magnet	Robust for industry	Sliding probe (in contact)	Undulator, ultra high resolution,	3D Hall Cryogenic probe, 1K	Thinnest, for air gaps 0.5mm
Size	8x4x0.9mm	L: 71x2x0.5mm M: 47x2x0.5mm S: 8x2x0.5mm	L: 71x2x0.5mm M: 47x2x0.5mm S: 8x2x0.5mm	L: 71x2x0.5mm M: 47x2x0.5mm S: 8x2x0.5mm	38x8x4mm	16.5x5x2.3mm	25x3x3mm	10x10x1.45mm	9x4.5x4.5mm L:10mm / OD:3mm	8.5x1.6x0.13
Distance to FSV	0.3mm	0.2mm	0.3mm / 0.01mm	0.01mm	0.17 / 0.12 / 0.08	1mm	0.5mm	0.7mm	2.25mm / 1.7mm	0.01mm
Transducer	All	All	All	F3A	F3A	All	F3A	H3B	K3A	F3A/F3B
Mapper	-	✓	✓	-	-		✓	-	-	✓
Package	ceramic	ceramic	ceramic	ceramic	Fr4 / ceramic	ceramic + epoxy	ceramic+zirconate	ceramic	ceramic	flex, ceramic
Operating T°	-40 /+155 -196 / +155	-40 /+155	-40 /+155	-40 /+155	-20 / +85	-20 / +85	-20 / +85	+5 / +45	1K – 350K	-40 /+155
Accuracy	0.01%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	1%	0.2%
Resolution	3uT @ 2T	3uT @ 2T	100uT @ 2T	100uT @ 2T	100uT @ 2T	100uT @ 2T	100uT @ 2T	2uT @ 2T	2uT @ 2T	100uT @ 2T
Bandwidth	DC – 25/75kHz	DC – 25/75kHz	DC – 25/75kHz	DC – 25/75kHz	DC – 25/75kHz	DC – 25/75kHz	DC – 25kHz	DC – 0.5/5kHz	DC – 0.5kHz	DC – 25kHz