

SENIS TRANSDUCERS – QUANTITATIVE COMPARISON MATRIX

	F3A	F3B	I1A / I1B	K3A	I3D	H3B	F1A	3DACMT
USPs	Industrial, 3D, mature	Industrial, 3D	Low-noise 1D	Cryogenic 3D	Low-noise 3D, undulators	Ultra low-noise 3D	Industrial, 1D	3D inductive, high-frequency
Range	100mT/500mT/2T/20T	100mT/500mT/2T/20T	100mT/500mT/2T/20T	100mT/500mT/2T/10T	100mT/500mT/2T/20T	100mT/500mT/2T/10T	100mT/500mT/2T/10T	1mT / 10mT
Accuracy	0.1%	0.1%	0.1%	1%	0.1%	0.2%	0.2%	1%
Resolution	0.1mT @ 2T	0.1% @ 2T	10uT @ 2T	2uT @ 2T	3uT @ 2T	2uT @ 2T	60uT @ 2T	150nT / 1.5uT
F-Bandwidth	25kHz	25kHz	2.5kHz	0.5kHz	25kHz	0.5kHz / 5kHz	75kHz	200kHz
Stray Field Immunity	Excellent	Excellent	Very good	Very good	Very good	Very good	Excellent	Good
Probes	All	All	A, C, H	K3A-P K3A-C	C, H	S, P, I, J (1D)	All	3D inductive
Operating T°	-40 / +155	-40 / +155	-20 / +85	1K – 350K	+5 / +45	+5 / +45	-40 / +155	+5 / +45
Mapper	✓	-	-	-	✓	-	-	✓



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	F3A	F3B	I1A / I1B	K3A	I3D	H3B	F1A	3DACMT
USPs	Industrial, 3D, mature	Industrial, 3D	Low-noise 1D	Cryogenic 3D	Low-noise 3D, undulators	Ultra low-noise 3D	Industrial, 1D	3D inductive, high-frequency
Selectable Range	● ●	● ●	● ●	●	● ●	●	●	● ●
Accuracy	● ● ●	● ● ●	● ● ●	●	● ● ●	● ●	● ●	●
Resolution	●	●	● ●	● ● ●	● ● ●	● ● ●	● ●	● ● ● ● ●
F-bandwidth	● ● ●	● ● ●	● ●	●	● ● ●	●	● ● ● ●	● ● ● ● ●
Stray Field Immunity	● ● ●	● ● ●	● ●	● ●	● ●	● ●	● ● ●	●
Probe Variety	● ● ●	● ● ●	● ●	● ●	●	● ●	● ● ●	●
Operating T°	● ● ●	● ● ●	● ●	● ● ● ● ●	●	●	● ● ●	●
Mapper	✓	-	-	-	✓	-	-	✓

